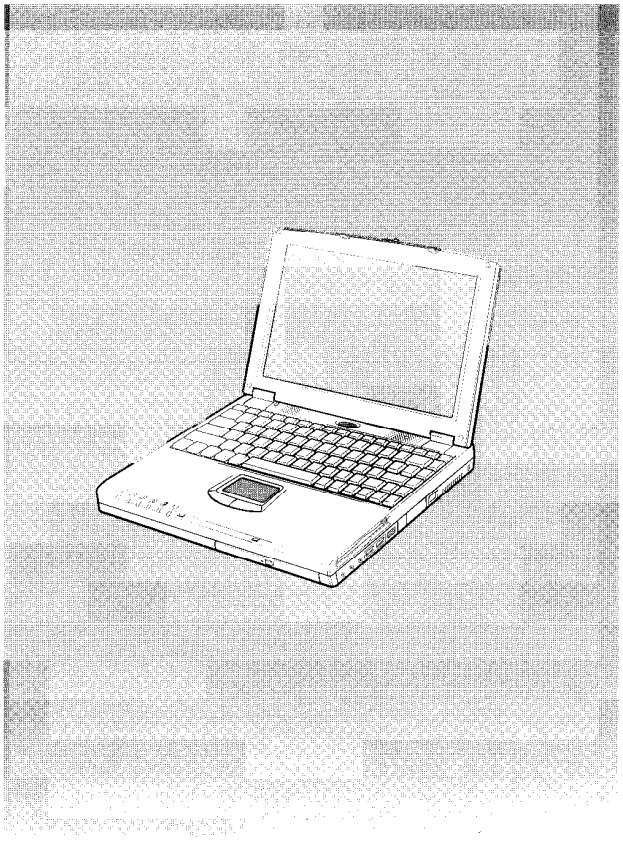
SAMSUNG

NOTE PC

SENS Pro 630 Series
SENS Pro 670 Series

SERVICE Manual

NOTE PC



CONTENTS

1 Specifications

2 Exploded View and Mechanical Parts List

3 System Wiring Diagram

4 System Block Diagram

5 Schematic Diagrams

6 Electrical Parts List

1 Specifications

1-1 Safety Precautions

1-1-1 Federal Communications Commission (FCC) Radio Frequency Interference Statement

1-1-1(a) Warning

This equipment has been certified to comply with the limits for a Class B computing device, pursuant to Subpart J of Part 15 of FCC Rules. Only peripherals (system input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this system. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

1-1-1(b) Information to User

This equipment generates and uses radio frequency energy and if not installed and used properly , that is, in strict accordance with the manufacturer's instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Re-orient the receiving antenna.
2. Relocate the system with respect to the receiver.
3. Plug the system into a different outlet so that the system and receiver are on different branch circuits.
4. Move the cables connected to the system to minimize the interference.
5. Tighten all cable screws.

If necessary, the user should consult the dealer or an experienced radio/televsion technician for additional suggestions. The user may find the following booklet helpful: "Something About Interference." This is available at FCC local regional offices. Samsung Electronics Co., LTD. is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by Samsung Electronics Co., LTD. The correction will be the responsibility of the user. Use only shielded data cables with this system.

1-1-2 Canadian Radio Interference Regulations

This apparatus does not exceed the class B limits for radio noise emissions set out in the radio interference regulations of the Canadian Department of Communications.

Le prèsent appareil n'émet pas de bruits radioèlectriques dépassant les limites applicable aux appareils digitals de la classe B prescrites par le réglement de brouillage radioélec trique dicté par le Ministére des Communications du Canada.

1-1-3 Important Safety Instructions

Read all instructions.

1. Do not use this product near water .
2. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
3. Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered by a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
4. Do not place this product in a location where the cord may be tripped on.
5. Select a work surface that is large enough to hold the SENS 620 equipment and any additional items required for your work.
6. Do not allow the battery to be exposed to direct sunlight for extended periods of time.
7. Do not allow anything to rest on the power cord.

8 Never push objects of any kind into this product through the cabinet slots, as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.

9 If the product is dropped, the cabinet may be damaged.

10. Do not install or remove the detachable hard disk drive with the system turned on.

11. It indicates a need for service that the product exhibits a distinct change in peformance.

12. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth and ISO-prophyl alcohol for cleaning.

13. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

14. If an extension cord is used with this product, make sure it is a 3-pronged, grounded cord and that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.

15. NiMH batteries must be recycled or disposed of properly.

16. Do not attempt to disassemble the battery. The electrolyte contained within it is highly toxic and might cause injury to skin or eyes.

17. Charge the battery only as described in this document.

18. Do not short circuit the battery terminals as the resulting high currents can damage the battery.

19. The battery should not be used to power other products.

20. Do not dispose of a used battery in a fire or incinerator.

21. Do not subject the battery to extreme temperature. Battery temperature should be greater than -20°C(-4°F) and less than +50°C (122°F).

22. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

    - When the power cord or plug is damaged or frayed.
    - If liquid has been spilled into the product.
    - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage.

5-1-5 Parts List

SEC Code	Location	Description and Specification	Remark
J504	3701-001026	15P,2R,FEMALE,SMD-S,AUF	
J503	3701-001035	25P,1R,FEMALE,ANGLE,AUF	
J502	3701-001036	9P,1R,MALE,ANGLE,AUF	
PCMCIA SOCKET	3709-001119	152P,1.27MM,ANGLE,-	
J514	3710-000253	60P,-,1.27mm,ANGLE,AUF	
J521	3711-003392	3WALL,20P,2R,2mm,ANGLE,AUF	
J506	3711-003987	BOX,160P,2R,0.635mm,ANGLE,AUF	
J500	3722-000218	7P,-,AG,BLK,#16-30	
J501	3722-001113	6P,0.9mm,AU15U',BLK,-	
PCB+EXT	6001-001181	CH,+,M1.6,L6.0,ZPC(YEL),SWRCH18A,-	
PCMCIA+MAIN PCB	6001-001182	PH,+,M2.0,L3.5,ZPC(YEL),SWRCH18A,FP	
MAINPCB+DOCK PORT	6009-001003	NO,-,+,M2.5,L5,WHT,FP	
MAIN B'D+FASTNER	6021-000277	2C,M2.6,ZPC(WHT),SWRCH10R	
MAIN B'D+CPU	BA60-00030A	PI4.0,L3.7,-,C3604BD-F	
MAIN LABEL	BA68-40005L	COMPUTER,-,-,-,40*6,WHT,PBAB/D	
-	BA70-00030A	JAZZ,STS301,T0.15,-,FDD	
-	BA72-00063A	JAZZ,PET,V0,CLEAR,T0.1,-	
-	BA73-00001A	JAZZ,CR,BLK,-,MM,-,-	
SONIC SMT	BA92-00073A	SONIC,300MHZ,32M,-,4M,3.2G,-,-,-,-	
D1	0401-000191	MMBD4148,50V,-,DL-35,TP	
D2	0401-000191	MMBD4148,50V,-,DL-35,TP	
D3	0401-000191	MMBD4148,50V,-,DL-35,TP	
D4	0401-000191	MMBD4148,50V,-,DL-35,TP	
D500	0401-000191	MMBD4148,50V,-,DL-35,TP	
D502	0401-000191	MMBD4148,50V,-,DL-35,TP	
D507	0401-000191	MMBD4148,50V,-,DL-35,TP	
D6	0401-000191	MMBD4148,50V,-,DL-35,TP	
D7	0401-000191	MMBD4148,50V,-,DL-35,TP	
D501	0402-001097	B140,40V,1.0A,SMA,TP	
D504	0402-001110	B240,40V,2A,SMB,TP	
D505	0402-001110	B240,40V,2A,SMB,TP	
D503	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D508	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D509	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D510	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D511	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D512	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D513	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D515	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
D8	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	
U510	0404-000114	MMBD301LT1,30V,-,SOT-23,TP	

SEC Code	Location	Description and Specification	Remark
D5	0404-000157	CMPSH-3A,30V,100mA,SOT-23,TP	
Q3	0501-000458	KST2222ATF,NPN,350mW,SOT-23,TP	
Q6	0501-000458	KST2222ATF,NPN,350mW,SOT-23,TP	
Q8	0501-000463	KST2907A,PNP,350mW,SOT-23,TP,1	
D514	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q2	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q4	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q5	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q500	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q504	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q7	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q9	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,	
Q1	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
Q10	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
Q503	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
U11	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
U500	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
U6	0505-000275	SI4435DY,P,-30V,+-8.0A,0.02ohm	
U504	0505-000281	SI4410DY,N,30V,+-10A,0.0135ohm	
Q505	0505-001049	BSS84,-50V,20V,-130mA,250mW,SO	
U503	0505-001122	SI4420DY,N,30V,12.5A,7.5mohm,2	
Q501	0505-001207	SI4936DY,N,30V,5.8A,0.03ohm,2W	
U2,U3,U20,U22,U23	0801-000794	7S08,AND GATE,SOT-25,5P,63MIL,	
U513	0801-001070	74ACT04,INVERTER,SOP,14P,150MI	
U18	0801-002094	74ACT125,BUFFER,SOP,14P,150MIL	
U12	0801-002192	7S04,INVERTER,SOT-25,5P,63MIL,	
U24	0801-002192	7S04,INVERTER,SOT-25,5P,63MIL,	
U19	0801-002388	QS3257,QUICK SWITCH,QSOP,16P,1	
U16	0904-001158	97338,8BIT,QFP,100P,-,48MHz,TR	
U4	0904-001192	3D RAGE LT PRO,-,PBGA,328P,107	
U7	0904-001248	82371,16BIT,BGA,324P,1064MIL,3	
U10	0904-001331	5C478,-,BGA,261P,984MIL,33MHZ,TP,-,PLASTIC,3.3	
U506	0904-001348	82443DX,64BIT,BGA,492P,1378MIL,100MHZ,TR,CMOS	
U13	1001-001002	QS3125,BUS CMOS,SOP,16P,150MIL	
U1	1006-000304	211,SOP,28P,300MIL,SINGLE,ST,P	
U21	1201-001125	75S01,SOP,5P,63MIL,SINGLE,100d	
U502	1203-001028	2563,SOP,28P,300MIL,PLASTIC,3.	
U512	1203-001460	2526,SOP,8P,150MIL,-,8V,-,-40t	
U8	1203-001509	1438,SSOP,28P,407MIL,PLASTIC,1	
U14	1204-001420	ES1978S,TQFP,100P,-,PLASTIC,5V	
U17	1209-001181	W48S87-72H,SSOP,48P,300MIL,PLA	

SEC Code	Location	Description and Specification	Remark
F1	1404-001089	0.21ohm,-,-,6.0V,40A,2.2A,TP	
TH500	1404-001089	0.21ohm,-,-,6.0V,40A,2.2A,TP	
TH501	1404-001089	0.21ohm,-,-,6.0V,40A,2.2A,TP	
TH502	1404-001089	0.21ohm,-,-,6.0V,40A,2.2A,TP	
R148	2007-000033	0OHM,5%,1/8W,DA,TP,3216	
R172	2007-000033	0OHM,5%,1/8W,DA,TP,3216	
R532	2007-000033	0OHM,5%,1/8W,DA,TP,3216	
R238	2007-000052	10Kohm,1%,1/16W,DA,TP,1608	
R102	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
R108	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
R112-R117,R134,R135	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
R512	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
R529	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
R207	2007-000071	22ohm,5%,1/16W,DA,TP,1608	
R208	2007-000071	22ohm,5%,1/16W,DA,TP,1608	
R209	2007-000071	22ohm,5%,1/16W,DA,TP,1608	
R210	2007-000071	22ohm,5%,1/16W,DA,TP,1608	
R533	2007-000071	22ohm,5%,1/16W,DA,TP,1608	
R171	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R199	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R25	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R33	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R500	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R561	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R562	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R82	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R9	2007-000074	100ohm,5%,1/16W,DA,TP,1608	
R109	2007-000075	220ohm,5%,1/16W,DA,TP,1608	
R150	2007-000075	220ohm,5%,1/16W,DA,TP,1608	
R110	2007-000076	330ohm,5%,1/16W,DA,TP,1608	
R145	2007-000076	330ohm,5%,1/16W,DA,TP,1608	
R119	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R120	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R121	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R125	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R146	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R154	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R157	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R158	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R159	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R160	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	

SEC Code	Location	Description and Specification	Remark
R161	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R163	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R164	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R187	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R189	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R191	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R220	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R226	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R227	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R229	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R230	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R233	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R52	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R542	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R551	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R557	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R567	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R6	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R650,R651	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R68	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R80	2007-000078	1Kohm,5%,1/16W,DA,TP,1608	
R141	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R147	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R167	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R170	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R188	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R213	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R218	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R35	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R36	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R51	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R517	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R518	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R523	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R525	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R526	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R530	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R543	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R55	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R89	2007-000084	4.7Kohm,5%,1/16W,DA,TP,1608	
R15	2007-000087	6.8Kohm,5%,1/16W,DA,TP,1608	

SEC Code	Location	Description and Specification	Remark
R504	2007-000087	6.8Kohm,5%,1/16W,DA,TP,1608	
R100	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R101	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R103	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R104	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R118	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R132	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R139	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R149	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R151	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R16	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R169	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R17	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R173	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R174	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R185	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R190	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R194	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R195	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R196	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R197	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R198	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R20	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R21	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R211	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R212	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R219	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R22	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R221	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R23	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R231	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R236	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R237	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R239	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R24	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R240	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R242	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R243	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R244	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R245	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R246	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	

SEC Code	Location	Description and Specification	Remark
R247	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R248	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R249	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R250	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R26	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R27	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R28	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R30	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R31	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R32	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R34	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R38	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R48	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R505	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R506	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R508	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R509	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R510	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R511	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R513	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R514	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R519	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R521	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R522	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R524	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R534	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R536	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R537	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R539	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R54	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R540	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R541	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R544	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R545	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R546	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R547	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R548	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R550	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R552	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R553	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R554	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	

SEC Code	Location	Description and Specification	Remark
R555	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R556	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R56	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R560	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R563	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R564	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R565	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R568,R241	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R569	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R57	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R58	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R59	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R60	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R61	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R62	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R64	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R65	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R653	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R66	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R67	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R72	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R73	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R78	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R79	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R81	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R83	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R84	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R85	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R86	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R88	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R90	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R91	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R93	2007-000090	10Kohm,5%,1/16W,DA,TP,1608	
R41	2007-000092	15Kohm,5%,1/16W,DA,TP,1608	
R44	2007-000092	15Kohm,5%,1/16W,DA,TP,1608	
R63	2007-000092	15Kohm,5%,1/16W,DA,TP,1608	
R94	2007-000092	15Kohm,5%,1/16W,DA,TP,1608	
R559	2007-000093	20Kohm,5%,1/16W,DA,TP,1608	
R225	2007-000096	30Kohm,5%,1/16W,DA,TP,1608	
R130	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	
R214	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	

SEC Code	Location	Description and Specification	Remark
R223	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	
R251	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	
R501	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	
R77	2007-000097	47Kohm,5%,1/16W,DA,TP,1608	
R142	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R222	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R224	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R228	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R234	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R235	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R37	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R39	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R50	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R515	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R516	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R558	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R566	2007-000102	100Kohm,5%,1/16W,DA,TP,1608	
R71	2007-000107	470Kohm,5%,1/16W,DA,TP,1608	
R53	2007-000109	1Mohm,5%,1/16W,DA,TP,1608	
R176	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R177	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R178	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R179	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R180	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R181	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R182	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R183	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R184	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R186	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R538	2007-000113	33ohm,5%,1/16W,DA,TP,1608	
R152	2007-000116	120ohm,5%,1/16W,DA,TP,1608	
R105	2007-000118	390ohm,5%,1/16W,DA,TP,1608	
R107	2007-000118	390ohm,5%,1/16W,DA,TP,1608	
R162	2007-000120	680ohm,5%,1/16W,DA,TP,1608	
R14	2007-000124	2.2Kohm,5%,1/16W,DA,TP,1608	
R535	2007-000124	2.2Kohm,5%,1/16W,DA,TP,1608	
R8	2007-000124	2.2Kohm,5%,1/16W,DA,TP,1608	
R549	2007-000129	27Kohm,5%,1/16W,DA,TP,1608	
R138	2007-000239	1.5Kohm,1%,1/16W,DA,TP,1608	
R155	2007-000239	1.5Kohm,1%,1/16W,DA,TP,1608	
R98	2007-000277	100Kohm,1%,1/10W,DA,TP,2012	

SEC Code	Location	Description and Specification	Remark
R131	2007-000308	10OHM,5%,1/10W,DA,TP,2012	
R128	2007-000309	10ohm,5%,1/16W,DA,TP,1608	
R129	2007-000309	10ohm,5%,1/16W,DA,TP,1608	
R69	2007-000309	10ohm,5%,1/16W,DA,TP,1608	
R70	2007-000309	10ohm,5%,1/16W,DA,TP,1608	
R126	2007-000406	15KOHM,1%,1/10W,DA,TP,2012	
R205	2007-000463	18ohm,5%,1/16W,DA,TP,1608	
R206	2007-000463	18ohm,5%,1/16W,DA,TP,1608	
R95	2007-000530	200KOHM,1%,1/10W,DA,TP,2012	
R1	2007-000598	22OHM,5%,1/8W,DA,TP,3216	
R11	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R13	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R40	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R42	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R43	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R92	2007-000659	27ohm,5%,1/16W,DA,TP,1608	
R124	2007-000909	43KOHM,1%,1/10W,DA,TP,2012	
R122	2007-000961	5.1KOHM,1%,1/10W,DA,TP,2012	
R96	2007-000961	5.1KOHM,1%,1/10W,DA,TP,2012	
R111	2007-001134	68ohm,5%,1/16W,DA,TP,1608	
R520	2007-001134	68ohm,5%,1/16W,DA,TP,1608	
R10	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R12	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R3	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R4	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R5	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R7	2007-001167	75ohm,5%,1/16W,DA,TP,1608	
R18	2007-001179	8.2Kohm,5%,1/16W,DA,TP,1608	
R19	2007-001179	8.2Kohm,5%,1/16W,DA,TP,1608	
R2	2007-001179	8.2Kohm,5%,1/16W,DA,TP,1608	
U501	2007-001278	0.07ohm,1%,1W,DA,TP,6432	
R106	2007-001293	33OHM,5%,1/4W,DA,TP,3225	
U507	2007-007241	0.01ohm,1%,1W,DA,TP,6432	
R137	2007-007598	1.87Kohm,1%,1/16W,DA,TP,1608	
R156	2007-007598	1.87Kohm,1%,1/16W,DA,TP,1608	
R153	2007-007733	51OHM,1%,1/16W,DA,TP,1608	
RE2	2011-000184	10Kohm,5%,1/16W,M,CHIP,10P,TP	
RE500	2011-000184	10Kohm,5%,1/16W,M,CHIP,10P,TP	
RA1-RA6	2011-000475	33ohm,5%,1/16W,L,CHIP,8P,TP	
RA45-RA47	2011-000475	33ohm,5%,1/16W,L,CHIP,8P,TP	
RA500-RA503	2011-000475	33ohm,5%,1/16W,L,CHIP,8P,TP	

SEC Code	Location	Description and Specification	Remark
RE1	2011-000516	4.7Kohm,5%,1/16W,M,CHIP,10P,TP	
RE4	2011-000516	4.7Kohm,5%,1/16W,M,CHIP,10P,TP	
RE501	2011-000516	4.7Kohm,5%,1/16W,M,CHIP,10P,TP	
RE502	2011-000516	4.7Kohm,5%,1/16W,M,CHIP,10P,TP	
R133	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R136	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R143	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R144	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R29	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R49	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R87	2011-001011	10Kohm,5%,1/16W,L,CHIP,8P,TP	
R502	2011-001074	2.2Kohm,10%,220pF,9,6V,24P	
R503	2011-001074	2.2Kohm,10%,220pF,9,6V,24P	
RE3	2011-001260	4.7Kohm,5%,1/16W,S,CHIP,10P,TP	
RA41	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA42	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA43	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA44	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA48	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA49	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA50	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA51	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA52	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA53	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA54	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA55	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA56	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA57	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA58	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA59	2011-001262	22ohm,5%,1/32W,L,CHIP,8P,TP	
RA10	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA11	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA12	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA13	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA14	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA15	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA16	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA17	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA18	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA19	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA20	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	

SEC Code	Location	Description and Specification	Remark
RA21	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA22	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA23	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA24	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA25	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA26	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA27	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA28	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA29	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA30	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA31	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA32	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA33	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA34	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA35	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA36	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA37	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA38	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA39	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA40	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA7	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA8	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
RA9	2011-001265	120ohm,5%,1/32W,L,CHIP,8P,TP	
C1	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C101	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C102	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C103	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C113	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C114	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C116	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C118	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C119	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C12	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C120	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C122	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C123	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C124	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C125	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C126	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C127	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C136	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
C137	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C138	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C139	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C14	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C140	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C141	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C142	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C143	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C144	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C145	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C146	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C147	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C149	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C15	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C151	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C152	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C153	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C154	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C157	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C158	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C159	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C160	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C161	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C162	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C163	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C164	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C166	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C167	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C168	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C169	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C170	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C171	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C172	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C174	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C175	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C176	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C177	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C178	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C179	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C18	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C180	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
C181	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C183	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C185	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C186	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C187	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C188	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C189	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C190	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C192	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C193	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C194	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C195	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C196	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C197	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C199	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C2	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C200	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C201	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C211	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C213	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C216	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C217	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C218	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C219	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C220	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C222	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C224	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C225	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C227	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C229	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C23	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C231	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C232	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C234	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C235	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C238	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C239	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C240	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C241	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C242	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C244	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
C245	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C246	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C248	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C249	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C250	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C251	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C253	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C254	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C255	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C256	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C257	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C263	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C265	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C266	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C267	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C268	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C269	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C270	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C271	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C272	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C273	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C274	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C275	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C276	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C278	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C279	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C281	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C282	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C283	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C284	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C29	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C35	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C36	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C42	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C45	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C46	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C47	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C48	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C49	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C50	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C502	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
C503	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C505	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C506	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C507	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C509	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C51	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C510	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C511	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C512	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C513	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C514	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C518	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C519	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C52	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C520	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C521	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C522	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C524	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C525	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C527	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C528	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C529	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C53	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C530	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C531	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C533	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C534	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C536	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C537	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C538	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C54	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C541	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C542	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C543	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C544	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C545	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C547	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C548	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C549	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C55	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C550	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
C551	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C553	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C556	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C557	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C558	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C559	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C560	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C561	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C566	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C567	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C568	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C574	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C576	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C579	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C580	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C59	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C63	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C64	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C65	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C71	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C74	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C76	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C77	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C78	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C81	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C83	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C84	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C96	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C98	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,	
C104	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C128	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C129	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C13	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C60	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C61	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C85	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C86	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C87	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C88	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C89	2203-000236	100pF,5%,50V,NPO,TP,1608,-	
C115	2203-000257	10nF,10%,50V,X7R,TP,1608,-	

SEC Code	Location	Description and Specification	Remark
C117	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C121	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C131	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C133	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C155	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C184	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C202	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C226	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C230	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C3	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C43	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C44	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C504	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C517	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C546	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C575	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C73	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C75	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C90	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C95	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C99	2203-000257	10nF,10%,50V,X7R,TP,1608,-	
C535	2203-000293	10pF,0.5pF,50V,NPO,TP,1608,-	
C112	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C130	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C132	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C156	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C165	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C173	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C182	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C191	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C198	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C215	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C223	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C228	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C233	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C243	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C247	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C252	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C277	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C280	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C34	2203-000440	1nF,10%,50V,X7R,TP,1608,-	

SEC Code	Location	Description and Specification	Remark
C523	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C526	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C539	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C540	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C554	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C562	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C563	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C564	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C67	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C79	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C80	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C82	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C92	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C97	2203-000440	1nF,10%,50V,X7R,TP,1608,-	
C66,C565	2203-000483	1uF,+80-20%,25V,Y5V,TP,3216,-	
C569	2203-000560	220nF,+80-20%,25V,Y5V,TP,1608,	
C570	2203-000560	220nF,+80-20%,25V,Y5V,TP,1608,	
C62	2203-000560	220nF,+80-20%,25V,Y5V,TP,1608,	
C72	2203-000560	220nF,+80-20%,25V,Y5V,TP,1608,	
C11	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C205	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C206	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C207	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C208	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C209	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C210	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C212	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C258	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C259	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C26	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C260	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C261	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C262	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C264	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C28	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C31	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C5	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C532	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C552	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C555	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C577	2203-000626	22pF,5%,50V,NPO,TP,1608,-	

SEC Code	Location	Description and Specification	Remark
C578	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C68	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C69	2203-000626	22pF,5%,50V,NPO,TP,1608,-	
C91	2203-000783	330pF,5%,50V,NPO,TP,1608,-	
C100	2203-000815	33pF,5%,50V,NPO,TP,1608,-	
C203	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C204	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C214	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C37	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C38	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C39	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C40	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C41	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C515	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C56	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C57	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C58	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C70	2203-000998	47pF,5%,50V,NPO,TP,1608,-	
C221	2203-001397	2.2nF,5%,50V,COG,TP,1608,-	
C6	2203-001408	270pF,5%,50V,COG,TP,1608,-	
C9	2203-001408	270pF,5%,50V,COG,TP,1608,-	
C16	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C17	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C19	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C20	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C21	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C22	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C24	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C25	2203-001429	470pF,5%,50V,C0G,TP,1608,-	
C27	2203-001607	220pF,5%,50V,CH,TP,1608,1.6mm	
C30	2203-001607	220pF,5%,50V,CH,TP,1608,1.6mm	
C32	2203-001607	220pF,5%,50V,CH,TP,1608,1.6mm	
C33	2203-001607	220pF,5%,50V,CH,TP,1608,1.6mm	
C500	2203-001607	220pF,5%,50V,CH,TP,1608,1.6mm	
C571	2203-001630	330nF,+80-20%,16V,Y5V,TP,1608,	
C572	2203-001630	330nF,+80-20%,16V,Y5V,TP,1608,	
C573	2203-001630	330nF,+80-20%,16V,Y5V,TP,1608,	
C94	2203-001724	4700NF,+80-20%,16V,Y5V,TP,3216	
C134	2203-005254	100nF,20%,50V,X7R,TP,2012,-	
C135	2203-005254	100nF,20%,50V,X7R,TP,2012,-	
C93	2203-005254	100nF,20%,50V,X7R,TP,2012,-	

SEC Code	Location	Description and Specification	Remark
C501	2203-005261	1000NF,10%,25V,Y5P,TP,3216	
C516	2203-005261	1000NF,10%,25V,Y5P,TP,3216	
C4	2203-005269	330pF,5%,50V,NPO,TP,2012,-	
C8	2203-005269	330pF,5%,50V,NPO,TP,2012,-	
C105	2203-005296	1uF,+80-20%,10V,Y5V,TP,1608,-	
CE500	2402-001046	68uF,20%,25V,LZ,6.6x6.6x6,4.75	
CE502	2402-001046	68uF,20%,25V,LZ,6.6x6.6x6,4.75	
CE503	2402-001046	68uF,20%,25V,LZ,6.6x6.6x6,4.75	
CE504	2402-001046	68uF,20%,25V,LZ,6.6x6.6x6,4.75	
CE501	2402-001074	120uF,20%,4V,LZ,TP,7.3x4.3x3.6	
CE505	2402-001074	120uF,20%,4V,LZ,TP,7.3x4.3x3.6	
CE506	2402-001074	120uF,20%,4V,LZ,TP,7.3x4.3x3.6	
CE507	2402-001074	120uF,20%,4V,LZ,TP,7.3x4.3x3.6	
CT26	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
CT27	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
CT4	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
CT509	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
CT514	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
CT7	2404-000185	22uF,10%,25V,-,TP,7343,4.4mm	
C508	2404-000253	47uF,10%,16V,-,TP,7343,-	
CT501	2404-000253	47uF,10%,16V,-,TP,7343,-	
CT22	2404-000256	47UF,20%,16V,GP,TP,7343	
CT17	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT20	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT28	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT3	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT31	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT350	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT506	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT507	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT508	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT512	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT513	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT515	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT6	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT8	2404-000284	10uF,20%,16V,-,TP,3528,-	
CT30	2404-000299	22uF,20%,16V,-,TP,6032,-	
CT5	2404-000299	22uF,20%,16V,-,TP,6032,-	
CT511	2404-000299	22uF,20%,16V,-,TP,6032,-	
CT10,CT11,CT12	2404-001003	100UF,20%,16V,GP,TP,7343H	
CT15,CT16,CT18	2404-001003	100UF,20%,16V,GP,TP,7343H	

SEC Code	Location	Description and Specification	Remark
CT19,CT21	2404-001003	100UF,20%,16V,GP,TP,7343H	
CT24	2404-001003	100UF,20%,16V,GP,TP,7343H	
CT500	2404-001003	100UF,20%,16V,GP,TP,7343H	
CT502	2404-001003	100UF,20%,16V,GP,TP,7343H	
CT1	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT14	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT2	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT23	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT25	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT29	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT503,CT504	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT505	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT510	2404-001074	10uF,10%,10V,GP,TP,3216,-	
CT13	2404-001075	100UF,20%,16V,GP,TP,7343	
CT9	2404-001075	100UF,20%,16V,GP,TP,7343	
L1	2703-000219	47uH,10%,2.5x3.2x2mm	
L500	2703-001658	10uH,20%,4x4.5x3.2mm	
U505	2703-001661	4.1uH,20%,12.5x12.5x5.7mm	
Y1	2801-000111	32.768KHz,20ppm,28-AAW,20pF,50	
Y500	2801-003662	14.318MHz,50ppm,28-ACJ,16pF,50	
Y501	2801-003664	16MHz,50ppm,28-ACJ,16pF,50ohm,	
Y2	2804-001092	29.49892MHz,100ppm,CMOS,TP,5V,	
Y3	2804-001298	49.152MHZ,100PPM,CMOS,TP,3.3V,28MA	
B10	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B11	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B12	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B13	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B14	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B18	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B19	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B20	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B24	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B4	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B5	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B500	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B501	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B502	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B503	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B506	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B507	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B508	3301-000314	AB,1.6x0.8x0.8mm,-,-	

SEC Code	Location	Description and Specification	Remark
B509	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B510	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B511	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B512	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B513	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B7	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B8	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B9	3301-000314	AB,1.6x0.8x0.8mm,-,-	
B1	3301-000322	AB,3.2x1.6x1.1mm,-,-	
B504	3301-000322	AB,3.2x1.6x1.1mm,-,-	
B505	3301-000322	AB,3.2x1.6x1.1mm,-,-	
B15	3301-000326	AB,3.2x2.5x1.3mm,1000,3000G	
B16	3301-000326	AB,3.2x2.5x1.3mm,1000,3000G	
B2	3301-000326	AB,3.2x2.5x1.3mm,1000,3000G	
B3	3301-000326	AB,3.2x2.5x1.3mm,1000,3000G	
B6	3301-000361	ZZ,5X2X0.9mm,-,-	
B21	3301-001101	AB,2.0x0.9x0.5mm,-,-	
B22	3301-001101	AB,2.0x0.9x0.5mm,-,-	
B23	3301-001101	AB,2.0x0.9x0.5mm,-,-	
B25	3301-001101	AB,2.0x0.9x0.5mm,-,-	
B17	3301-001122	AB,1.6x0.8mm,-,-	
SW500	3407-000183	24V,25mA,SLIDE,STANDARD	
SW501	3407-000184	24V,25mA,SLIDE,STANDARD	
J517	3702-001117	26P,FEMALE,SMD-A,AUF	
J513	3708-000344	26P,1.0mm,SMD,-	
J506	3708-000458	2P,1.25mm,SMD-S,SN	
J516	3708-000458	2P,1.25mm,SMD-S,SN	
J515	3708-001282	24P,1mm,SMD-S,SN	
J509	3708-001338	30P,0.625mm,SMD-S,SN	
J1	3709-001014	144P,0.8mm,ANGLE,AUF	
J2	3709-001014	144P,0.8mm,ANGLE,AUF	
J508	3710-001273	154P,2R,0.6mm,SMD-S,SN	
J507	3710-001427	21P,2R,2mm,SMD-S,AUF	
J3	3710-001475	34P,2R,1.27MM,SMD-A,AU30U	
J518	3710-001487	44P,2R,2MM,SMD-A,AUF	
J519	3711-000419	3WALL,14P,1R,1.25mm,SMD-S,SN	
J511	3711-000541	BOX,2P,1R,1.25mm,SMD-A,SN	
J520	3711-000541	BOX,2P,1R,1.25mm,SMD-A,SN	
J514	3711-004113	BOX,70P,2R,0.635mm,SMD-S,AUF	
J510	3722-001365	6P/2C,-,AU50U,BLK,-	
U15	BA32-10002B	MAX1617MEE,3.3V,180uA	

SEC Code	Location	Description and Specification	Remark
S630/S670 PCB	BA41-00026A	S630/S670,EXPOXY,8,335X230X1.6,1.2T	
U5	1109-001093	4132G512,2x256Kx32BIT,QFP,100P	
U9	1109-001093	4132G512,2x256Kx32BIT,QFP,100P	
R45,R74,R75	2007-000070	0ohm,5%,1/16W,DA,TP,1608	
U508	0902-001201	CMUIRDX266,64BIT,BGA,615P,1383MIL,266MHZ,	
CPU LABEL	BA68-40010Y	S3935,POLYESTER,T0.025,-,15*4,	
U25	0903-001069	64F3434,16BIT,QFP,100P,16x16x3	
MICOM S/W	BA46-00093A	SONIC MICOM,-,KOR	
MICOM LABLE	BA68-40012N	TRUK2,ART PAPER,-,-,7.13*7.13,	
BIOS CHOP	1103-001057	29EE020,256Kx8BIT,PLCC,32P,-,1	
SONIC	BA46-00091A	SONIC BIOS,-,KOR	
LABEL	BA68-40012N	TRUK2,ART PAPER,-,-,7.13*7.13,	
RTC BATTERY	BA96-20010B	RTC BATTERY,48MM,2P,(RED/BLK),	
-	4301-001020	3V,220mAH,BUTTON,20mm,PIN	
-	BA99-00100E	N/P COMMON,PBA SUB/MATRL,SOLDER,ETHANOL,-	
-	0201-000160	D520,NTR,-	
-	0201-001002	8380,SIL,9000CPS,10cc	
-	0202-000131	KR-19SH,P3,D1.0,63SN/37PB	
-	0202-001002	SSH63S,S63A,D0.05,63Sn/37Pb	
-	0202-001143	SJ-7,S60A,D0.00004,63Sn/37Pb,-	
-	0204-000124	ISO-PPROPYLENE,C2H50H,-,-	
-	0204-000199	SUPANUKE-20,I.P.A,98%,-	
-	0204-001137	KS-611-83B,C3H7OH,99.9%,18	

5-2-3 Location Number and Parts List

Location	SEC CODE	DESCRIPTION AND SPECIFICATION	Remark
B400	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B401	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B402	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B403	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B404	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B405	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B406	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B700	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B701	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B702	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B703	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B704	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	
B705	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B706	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B707	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
B708	3301-000317	CORE-FERRITE BEAD;AB,2x1.25x0.9mm,-,-	
C400	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,3216,-	
C401	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,3216,-	
C402	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C403	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C404	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C405	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C406	2203-000483	C-CERAMIC,CHIP;1uF,+80-20%,25V,Y5V,TP,3216,-	
C407	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C408	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C409	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C410	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C411	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	
C412	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C413	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	
C700	2203-005018	C-CERAMIC,CHIP;1uF,20%,16V,X7R,TP,2012,2.8mm	
C701	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C702	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C703	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C704	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C705	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C706	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C707	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C708	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C709	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C710	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	

Location	SEC CODE	DESCRIPTION AND SPECIFICATION	Remark
C711	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C712	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C713	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	
C714	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C715	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C716	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	
C717	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C718	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C719	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C720	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C721	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C722	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	
C723	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C724	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C725	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C726	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C727	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C728	2203-001397	C-CERAMIC,CHIP;2.2nF,5%,50V,COG,TP,1608,-	
C729	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C730	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C731	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C732	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C733	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
C734	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C735	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C736	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C737	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	
C739	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C740	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C741	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	
C742	2203-005296	C-CERAMIC,CHIP;1uF,+80-20%,10V,Y5V,TP,1608,-	
C743	2203-005296	C-CERAMIC,CHIP;1uF,+80-20%,10V,Y5V,TP,1608,-	
CB400	2203-000513	C-CERAMIC,CHIP;2.2uF,+80-20%,16V,Y5V,TP,3225,	
CB401	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB402	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB403	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB700	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB701	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB702	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB703	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB704	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	

Location	SEC CODE	DESCRIPTION AND SPECIFICATION	Remark
CB705	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB706	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CB707	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,CB708	
	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
CT400	2404-000114	C-TA,CHIP;10uF,10%,35V,-,TP,7343,4.4mm	
CT401	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT402	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT403	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT404	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT405	2404-001025	C-TA,CHIP;220uF,20%,10V,-,TP,7343H,-	
CT406	2404-001025	C-TA,CHIP;220uF,20%,10V,-,TP,7343H,-	
CT407	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT408	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT409	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CT700	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
J400	3711-004155	CONNECTOR-HEADER;NOWALL,34P,2R,1.27mm,ANGLE,AU3	
J700	3722-001169	JACK-PHONE;5P/2C,3.5mm,AG,BLK,NO	
J701	3722-001169	JACK-PHONE;5P/2C,3.5mm,AG,BLK,NO	
J702	3722-001169	JACK-PHONE;5P/2C,3.5mm,AG,BLK,NO	
J703	3722-001051	JACK-USB;4P,5.12mm,AU,IVORY(NATURAL),NO	
J704	3722-001051	JACK-USB;4P,5.12mm,AU,IVORY(NATURAL),NO	
LED700	0604-001129	IRDA TRANSCEIVER;4.0Mb/s,900nm,350mW,-24to+24de	
R400	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R401	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R402	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R403	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R404	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R405	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R406	2007-000527	R-CHIP;2.7OHM,5%,1/8W,DA,TP,3216	
R407	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R408	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R409	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R410	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R411	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R412	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R413	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R414	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R415	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R416	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R418	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
R700	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	

Location	SEC CODE	DESCRIPTION AND SPECIFICATION	Remark
R701	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R702	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
R703	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
R704	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
R705	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R706	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R707	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R708	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R709	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R710	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R711	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R712	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R713	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R714	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R715	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R716	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R717	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R718	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R719	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R720	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
R721	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R723	2007-007556	R-CHIP;5.6OHM,5%,1/2W,DA,TP,5025	
R724	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R740	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R741	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R744	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
U400	1203-000477	IC-POSI.FIXED REG.;78M05,DARK,3P,-,PLASTIC,4.8/5.	
U401	1201-001130	IC-AUDIO AMP;4863,SOP,16P,291MIL,DUAL,-,PLA	
U402	1201-000247	IC-OP AMP;3403,SOP,14P,150MIL,QUAD,200V/	
U403	1201-000452	IC-AUDIO AMP;833,SOP,8P,-,DUAL,-,PLASTIC,13	
U404	1204-001304	IC-SOUND;ES1918,QFP,48P,-,PLASTIC,5V,-,	
	BA70-00023A	SHIELD-AUDIO;SONIC,SUS,T0.15,-,-	
	BA72-00090A	INSULATOR-AUDIO;SONIC,PET,V0,CLEAR,T0.2,-	
	BA75-00103A	UNIT/SHIELD-AUDIO;SONIC,STS304,SHIELD+INSULATOR,BA75	AUDIO BD
	BA63-00015A	GASKET-71TS-10-3.5-30C;SONIC,SHIELD FORM,3.0,GRAY	SHIELD-AUDIO

5-3-3 Location Number and Parts List

SEC Code	Location	Description and Specification	Remark
0401-001071	D61,62	CMPD2004S,240V,225mA,SOT-23,TP	
0403-001100	ZD11,12,13	BZX84C15,15V,13.8-15.6V,330mW,	
0406-000148	D60	DSSA-P3100SA,270V/-/360V,-,DO-	
0501-000466	Q10	KST3904,NPN,350mW,SOT-23,TP,10	
0501-000479	Q11,14	KST42,NPN,350mW,SOT-23,TP,25	
0501-000481	Q12	MMBTA92,PNP,225mW,SOT-23,TP,25	
0501-002219	Q13	CXTA42,NPN,1200MW,SOT-89,TP,40-	
0505-001323	U64	2SK2231,N,60V,20A,200MOHM,20W,D-PACK	
0604-001148	Q60,61	PHOTO-TR,600%,200MW,-,TP	
1205-001221	U61	CSP1034A,QFP,44P,260MIL,PLASTI	
1205-001458	U10	DSP1646T00REA12V,TQFP,100P,630	
1205-001629	U62	K951C,SSOP,16P,150MIL,PLASTIC,6V,-,-0TO+70C,TP,-	
1205-001630	U63	K952C,SSOP,28P,150MIL,PLASTIC,16V,-,-0TO+70C,TP,-	
1205-001631	C29,30,31,32	K935U,SMD,2P,60MIL,CERAMIC,-,-,-,TP,MODEM ISOLATION CAP.	
1205-001631	C33,34	K935U,SMD,2P,60MIL,CERAMIC,-,-,-,TP,MODEM ISOLATION CAP.	
2007-000033	R14	0OHM,5%,1/8W,DA,TP,3216	
2007-000043	R15,16,18,31,32	1Kohm,1%,1/16W,DA,TP,1608	
2007-000070	R13,30,37	0ohm,5%,1/16W,DA,TP,1608	
2007-000070	R64,65,66	0ohm,5%,1/16W,DA,TP,1608	
2007-000071	R63	22ohm,5%,1/16W,DA,TP,1608	
2007-000077	R26,27	470ohm,5%,1/16W,DA,TP,1608	
2007-000080	R47	2Kohm,5%,1/16W,DA,TP,1608	
2007-000084	R24,25	4.7Kohm,5%,1/16W,DA,TP,1608	
2007-000090	R10,11,12,19	10Kohm,5%,1/16W,DA,TP,1608	
2007-000090	R38	10Kohm,5%,1/16W,DA,TP,1608	
2007-000090	R40,61,62	10Kohm,5%,1/16W,DA,TP,1608	
2007-000097	R43	47Kohm,5%,1/16W,DA,TP,1608	
2007-000102	R21,23	100Kohm,5%,1/16W,DA,TP,1608	
2007-000105	R42	200Kohm,5%,1/16W,DA,TP,1608	
2007-000238	R46	1.5KOHM,1%,1/10W,DA,TP,2012	
2007-000309	R28,29	10ohm,5%,1/16W,DA,TP,1608	
2007-000412	R50,51	15KOHM,5%,1/8W,DA,TP,3216	
2007-000465	R39	1KOHM,1%,1/10W,DA,TP,2012	
2007-001258	R44	10OHM,1%,1/8W,DA,TP,3216	
2007-001276	R36	59KOHM,1%,1/10W,DA,TP,2012	
2007-007127	R49	18OHM,5%,1/2W,DA,TP,5025	
2007-007748	R41	84.5OHM,1%,1/8W,DA,TP,3216	
2007-007774	R48	33OHM,1%,1W,DA,TP,6331	
2203-000189	C10,18,19,25	100nF,+80-20%,25V,Y5V,TP,1608,	
2203-000189	C26,27,60,61	100nF,+80-20%,25V,Y5V,TP,1608,	
2203-000189	C65,66,68	100nF,+80-20%,25V,Y5V,TP,1608,	

SEC Code	Location	Description and Specification	Remark
2203-000257	C39	10nF,10%,50V,X7R,TP,1608,-	
2203-000440	C20	1nF,10%,50V,X7R,TP,1608,-	
2203-000560	C11,12,13,16	220nF,+80-20%,25V,Y5V,TP,1608,	
2203-000560	C23	220nF,+80-20%,25V,Y5V,TP,1608,	
2203-000681	C62,63	27pF,5%,50V,NPO,TP,1608,-	
2203-000888	C24	4.7nF,10%,50V,X7R,TP,1608,-	
2203-001103	C14,15	6.8nF,10%,50V,X7R,TP,1608,-	
2203-001397	C38	2.2nF,5%,50V,COG,TP,1608,-	
2203-001427	C74	470nF,10%,200V,X7R,TP,4564,-	
2203-005616	C28,70	2.2NF,10%,1.5KV,X7R,TP,4520	
2404-000148	C36,37,69,71	1uF,10%,20V,-,TP,3216,-	
2404-000229	C73	4.7uF,10%,16V,-,TP,3528,1.4mm	
2404-000284	C64,67	10uF,20%,16V,-,TP,3528,-	
2404-001053	C72	15uF,20%,16V,GP,TP,6032,-	
2404-001133	C75	6.8UF,20%,50V,GP,TP,7343	
2801-003597	Y60	22.1184MHZ,50PPM,28-AAV,16PF,40OHM,TP	
3301-000322	B10,11	AB,3.2x1.6x1.1mm,-,-	
3301-001292	B12,13	AB,11OHM,2X1.25X0.9MM,2000MA,TP,FERRITE,.05OHM	
3710-001424	J60	70P,2R,0.635mm,SMD-S,AUF	
3711-000541	J61	BOX,2P,1R,1.25mm,SMD-A,SN	
BA39-40024Z	CBF-HARNESS	2P,80MM,RED/BLK,UL1061,AWG28,5	
BA41-00037A	PCB	-,-,-,71*35*1.2MM,-	
BA96-00228A	PCI CONFIGURATION	SFM-1400LW,PCI CONFIG DATA,PCI CONFIG DATA,-,-	
1103-001113	U60	93LC66,512x8BIT,SOP,8P,150MIL,	
BA46-00114A	PCI CONFIG DATA	PCI CONFIG DATA,-,-	

6 Electrical Parts List

6-1 PBA Assy Code List and Micellaneous

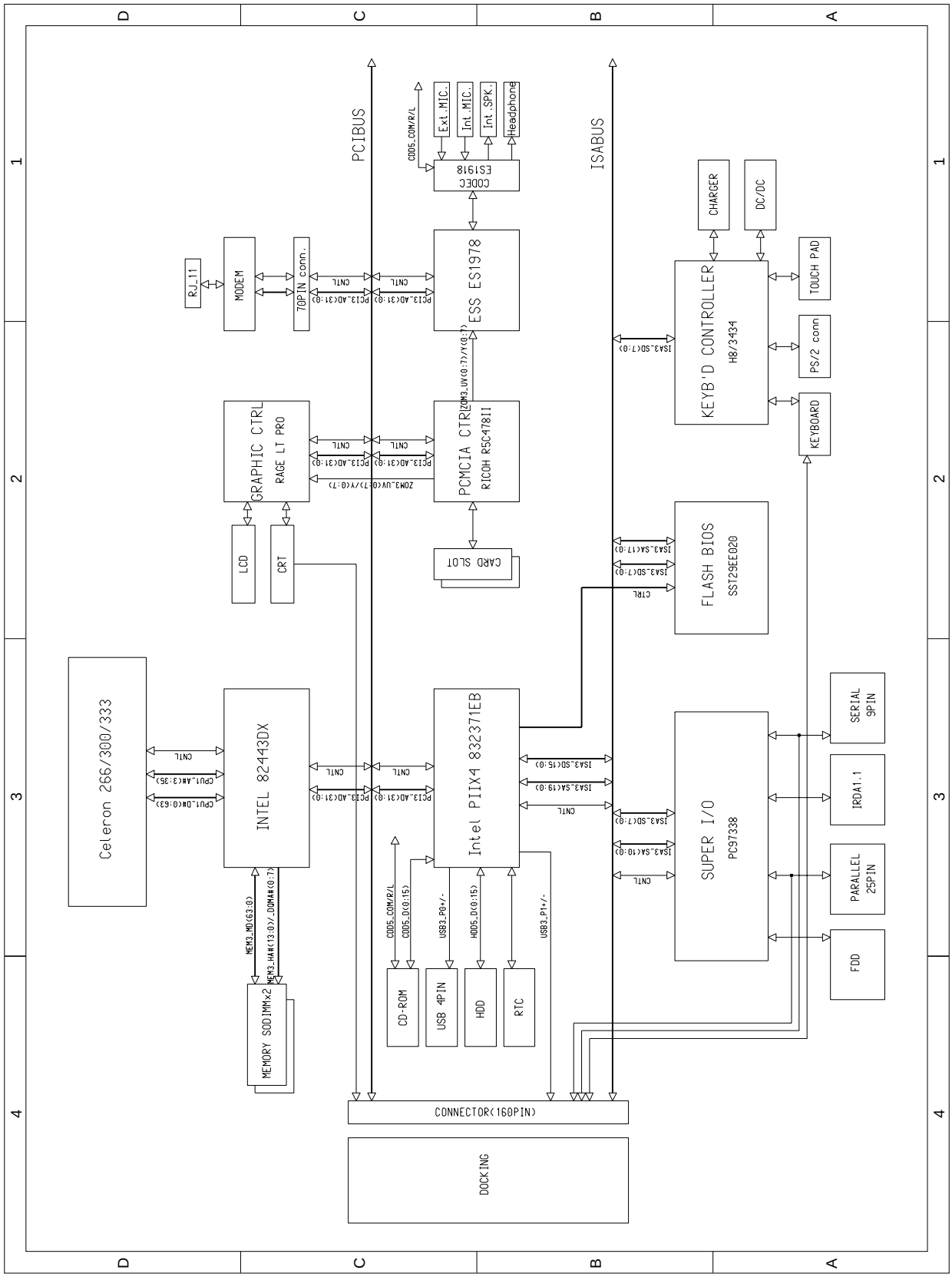
SEC Code	Location	Description and Specification	Remark
ASSY BOARD			
BA92-00272A		ASSY,MOTHER_BD;SONIC,CELERON266MHZ,4M,DOMESTIC	MAIN
BA92-00272B		ASSY,MOTHER_BD;SONIC,CELERON300MHZ,4M,DOMESTIC	MAIN
BA93-10071Y		ASSY,AUDIO_BD;S630/S670,ES1978,PCI,P&P	AUDIO
BA93-10071F		ASSY,MODEM_BD;56Kbps,PCI,UNIVERSIAL DAA	MODEM
BA96-00063A		ASSY,CHARGER;S630/S670 CAHRGER ASSY,CHARGER B	CHARGER
BA96-00061A		ASSY,DC/DC_CONVERTER;S630/S670, DC/DC ASSY,3.3	DC/DC
BA96-00232A		ASSY,CDROM-SVC;24X,S630/S670,SVC,-	CD-ROM
BA96-00233A		ASSY,FDD-SVC;1.44MB.3.5,SVC,-,-,-,-,-	FDD
BA96-00234A		ASSY,DVD-SVC;SVC,TOSHIBA,DVD,-,-	DVD
BA59-00037A		BOARD-ASS'Y;LED BOARD,-,8P,-	LED
BA96-00113A		ASSY,TOUCH_PAD;LOGITECH,BLK,240MM,LOGITE	TOUCHPAD
BA59-00125A		2ND HDD I/F BOARD,-,44P,CABLE,20X100MM	2ND I/F B'D
BA44-00016A		INVERTER;SIC-300,-,TFT,-,8V~20V,1MA,5MA,	INVERTER
MEMORY MODULE			
1105-001227		IC-DRAM MODULE;466S424,4Mx64BIT,DIMM,GLA	32MB
1105-001236		IC-DRAM MODULE;466S823,8MX64BIT,SODIMM,1	64MB
1105-001228		IC-DRAM MODULE;466S1723,16Mx64BIT,DIMM,1	128MB
HDD			
BA59-10053E		HDD-APPLICATION;3.2GB,2.5,EIDE,9.5MM,63	3.2G
BA59-10053F		HDD;4.3GB,2.5,EIDE,9.5MM,8944	4.3G
BA59-10053G		HDD;6.4GB,2.5',EIDE,12.7MM,13424(S630¿¸øÎ)	6.4G(S630)
BATT			
BA43-10009E		BATTERY-PACK;LI-ION,3LGR18650,KOR,10.8V,	LI-ION
BA43-10009J		BATTERY-PACK;NI-MH,SSB-650EN,SEC/OEM,12V	NI-MH
CD ROM			
BA59-10051J		CD-ROM;SCR-2438,640MB,5.25',EIDE,12.7	CD-ROM
CD ROM I/F BOARD (BA59-00038A,BA59-00039A)			
2007-000078	R3	res, R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
2007-000090	R1	res, R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
3710-001454	J2	sock-50z-2r-smd-mnt, CONNECTOR-SOCKET;50P,2R,0.635mm,SMD-S	
3711-004194	J1	sock-50z-2r-smd, CONNECTOR-HEADER;2WALL,50P,2R,0.635,SMD-S,'AU30	
3709-000154	J4	edge-60p, CONNECTOR-CARD EDGE;60P,1.27mm,STRAIGHT,AUF	
3710-001152	J3	sock-50z-2r-smd-mnt, CONNECTOR-SOCKET;50P,2R,0.8mm,SMD-S,AUF	

SEC Code	Location	Description and Specification	Remark
DVD			
BA59-10051W		DVD;SD-C2102,3265kB/S,150ms,ATAPI,	
DVD I/F BOARD (BA59-00039A,BA59-00055A)			
2007-000078 2007-000090 3710-001454 3711-004194 3709-000154 3710-001152	R2 R1 J2 J1 J4 J3	res, R-CHIP;1Kohm,5%,1/16W,DA,TP,1608 res, R-CHIP;10Kohm,5%,1/16W,DA,TP,1608 sock-50z-2r-smd-mnt, CONNECTOR-SOCKET;50P,2R,0.635mm,SMD-S sock-50z-2r-smd, CONNECTOR-HEADER;2WALL,50P,2R,0.635,SMD-S,'AU30 edge-60p, CONNECTOR-CARD EDGE;60P,1.27mm,STRAIGHT,AUF sock-50z-2r-smd-mnt, CONNECTOR-SOCKET;50P,2R,0.8mm,SMD-S,AUF	
EXTERNAL FDD(S670 MODEL)			
BA59-10059A BA59-10058A BA39-00017A		FDD;1.2/1.44MB,3.5,MFM,12.7mm,BLU, FDD ASS'Y FDD;1.2/1.44MB,3.5,MFM,12.7mm,BLK, FDD ASS'Y CBF-HARNESS-EXT FDD;26P,250MM,BLK/1,-,AW	FDD GRY FDD BLK EXT FDD
FDD I/F BOARD (BA59-00040A)			
3701-000303 3708-000467 3711-003463	J3 J1 J2	dsub-26z-2r-f, CONNECTOR-DSUB;26P,2R,FEMALE,ANGLE,AUF fpc-26z, CONNECTOR-FPC/FC/PIC;26P,1mm,-, head-60c-3r-mnt, CONNECTOR-HEADER;BOX,60P,2R,1.27mm,ANGLE,AU30U'	
FDD(S630 MODEL)			
BA59-10037F BA59-10037E BA41-00046A		FDD;1.2/1.44MB,3.5,MFM,12.7mm,BLU FDD;1.2/1.44MB,3.5,MFM,12.7mm,BLK FPC;S630 FDD FFC	FDD FDD FDD I/F
ZIP			
BA59-10053K		ZIP;100MB,3.5,RLL,12.7mm,	ZIP
ZIP I/F BOARD			
2007-000078 2007-000090 3709-000154 3710-001269 3711-002460 3711-003759	R3 R4 R1 R2 J1 J2 J4 J3	res, R-CHIP;1Kohm,5%,1/16W,DA,TP,1608 res, R-CHIP;10Kohm,5%,1/16W,DA,TP,1608 edge-60p, CONNECTOR-CARD EDGE;60P,1.27mm,STRAIGHT,AUF sock-50z-2r-smd, CONNECTOR-SOCKET;50P,2R,0.5mm,SMD-S head-48z-2r-smd, CONNECTOR-HEADER;NOWALL,48P,2R,0.8mm,STRAIGHT,S head-50z-2r-smd, CONNECTOR-HEADER;BOX,50P,2R,0.5mm,SMD-S,AU	
LS120			
BA59-00126A		120MB,3.5',-,12.7MM,BLACK,LS-120/SUPER DISK	LS120

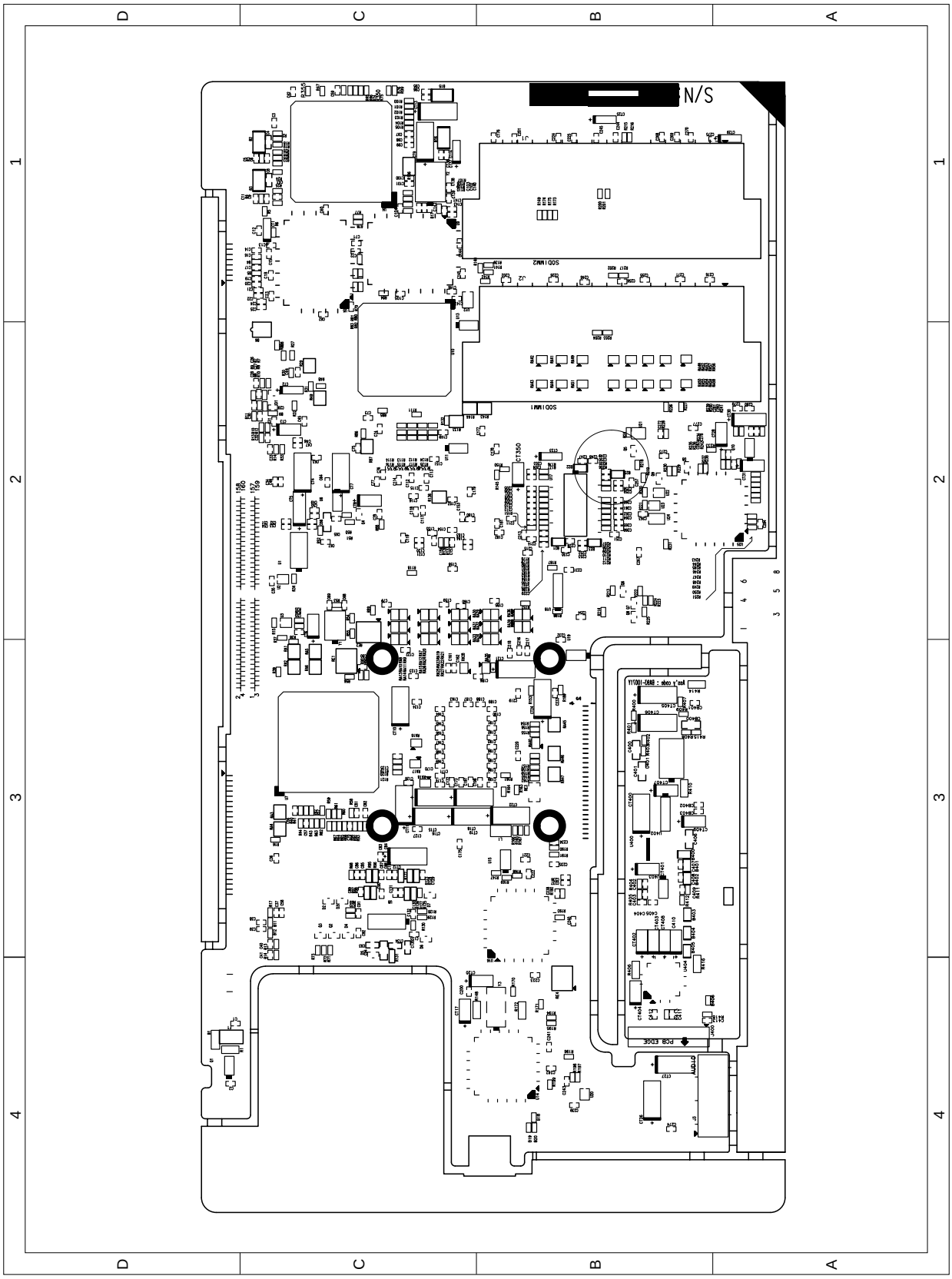
SEC Code	Location	Description and Specification	Remark
2ND HDD I/F B'D			
2007-000076	R4	res	
2007-000078	R1 R2	res	
2007-000090	R3	res	
3711-000541	J3	head-2s-1r-smd	
3711-003049	J2	head-44z-2r	
3711-003463	J1	head-60c-3r-mnt	
FAN			
3103-001060		FAN-DC;5V,195MA,7000RPM,.033M^3/MI,-	BOTTOM
INVERTER			
BA44-00016A		INVERTER;SIC-300,-,TFT,-,8V~20V,1MA,5MA,13,3	13,3
BA44-40006J		INVERTER;,12,1	12,1
LCD			
BA59-00004T		LT121X5-121,SVGA	12,1
BA41-00023A		FPC;S630/S670,12.1,POLYEMIDE	12,1
BA39-00008A		CABLE;INVERTER HARNESS,4P	12,1
BA07-10005N		LT133X5-122,284*214.2*6.7,NORM	13.3
BA41-00043A		FPCS630/S670,13.3FPC,POLYAMIDE	13.3
LCD I/F FPC			
BA41-00045A		FPC;S670 LCD ON_TOP FPC;FLEX,	FLEX
BA41-00022A		FPC;S630 LCD ON_TOP FPC;AIO,	AIO
TOUCHPAD			
BA59-10041N		BOARD-ASS'Y;TOUCHPAD/GRAY,170 DPI,FPC	TOUCHPAD
TOUCHPAD I/F BOARD (BA59-00036A)			
0401-000191	D1 D2	diode, DIODE-SWITCHING;MMBD4148,50V,-,DL-35,TP	
2007-000090	R1 R2	res, R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
2203-000189	C1 C2	ccap, C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	
3404-001052	SW2 SW3	sw-tact-4p, SWITCH-TACT;12V,50mA,160gf,5.2x6.4x0.8,SPST-NO	
3708-001276	J5	fpc-12s-smd, CONNECTOR-FPC/FC/PIC;12P,0.5mm,SMD-A,SN	
3711-000541	J4	head-2s-1r-smd, CONNECTOR-HEADER;BOX,2P,1R,1.25mm,SMD-A,SN	
3711-002050	J1 J2	head-10s-1r-smd-mnt, CONNECTOR-HEADER;BOX,10P,1R,1.25mm,SMD-A,SN	
3711-000686	J3	head-14s-1r-smd-mnt, CONNECTOR-HEADER;BOX,14P,1R,1.25mm,ANGLE,SN	
BA39-00022A		14P,-,WHT/RED/2,-,#26,FEMALE,NO,NO,-	HARNESS

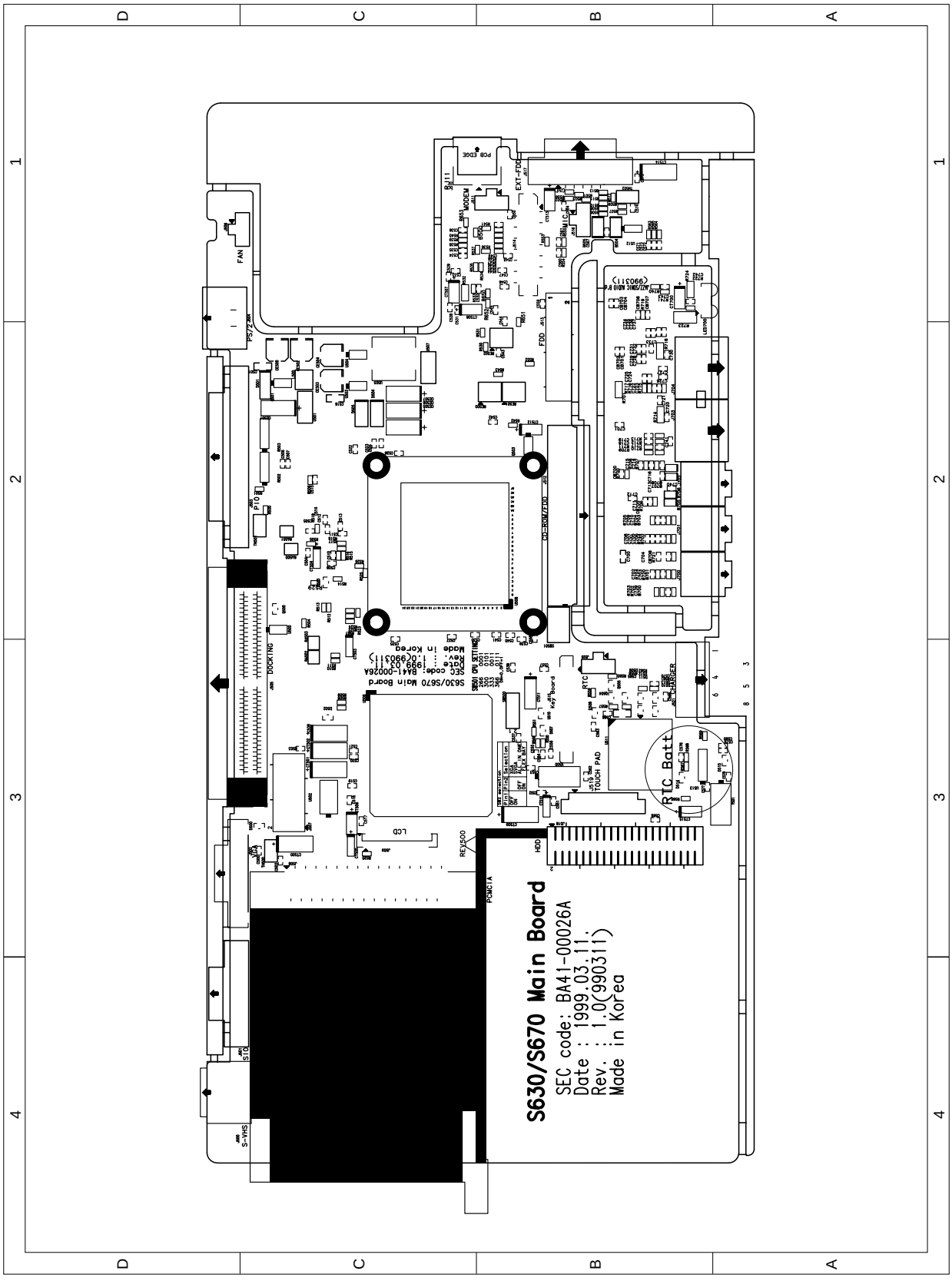
SEC Code	Location	Description and Specification	Remark
LED I/F B'D (BA59-00037A)			
0501-000466	Q1 Q2 Q3	npn_tr, TR-SMALL SIGNAL;KST3904,NPN,350mW,SOT-23,TP,10	
0601-000189	LED3 LED4 LED5 LED6	led, LED;CHIP,P/GRN,1.6x2.0mm,557nm	
0601-000278	LED1 LED2	led4, LED;CHIP,YEL-P/GRN,2.7x2.0mm,589/5	
2007-000076	R5 R6 R7 R8 R9	res, R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
2007-000090	R1 R2 R10 R11	res, R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
2007-001158	R3 R4	res, R-CHIP;750ohm,5%,1/4W,DA,TP,3225	
3711-002050	J1	head-10s-1r-smd-mnt, CONNECTOR-HEADER;BOX,10P,1R,1.25mm,SMD-A,SN	
BA39-00021A		10P,-,WHT/RED/2,-,#26,FEMALE,NO,NO,-	HARNESS
KEYBOARD			
BA59-00094A		S630, 87KEY, DOMESTIC, GRAY(TWO TONE)	S630
BA59-00093A		S670, 87KEY, DOMESTIC, GRAY(TWO TONE)	S670
ADAPTER			
BA44-00014A		630/670, DOMESTIC, AD_6019	DOMESTIC
BA44-00015A		630/670, OEM, AD_6019	OEM

4 System Block Diagram

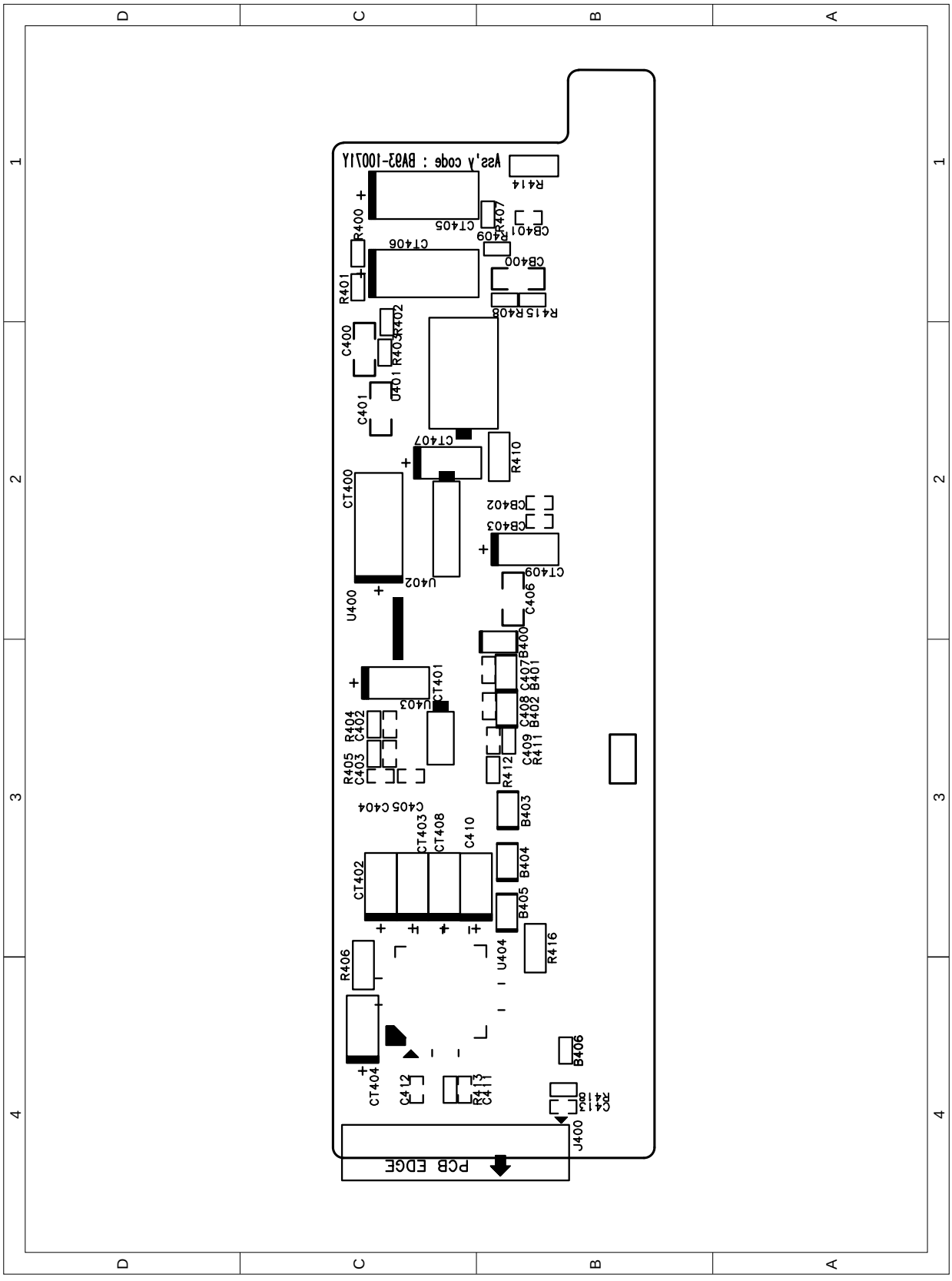


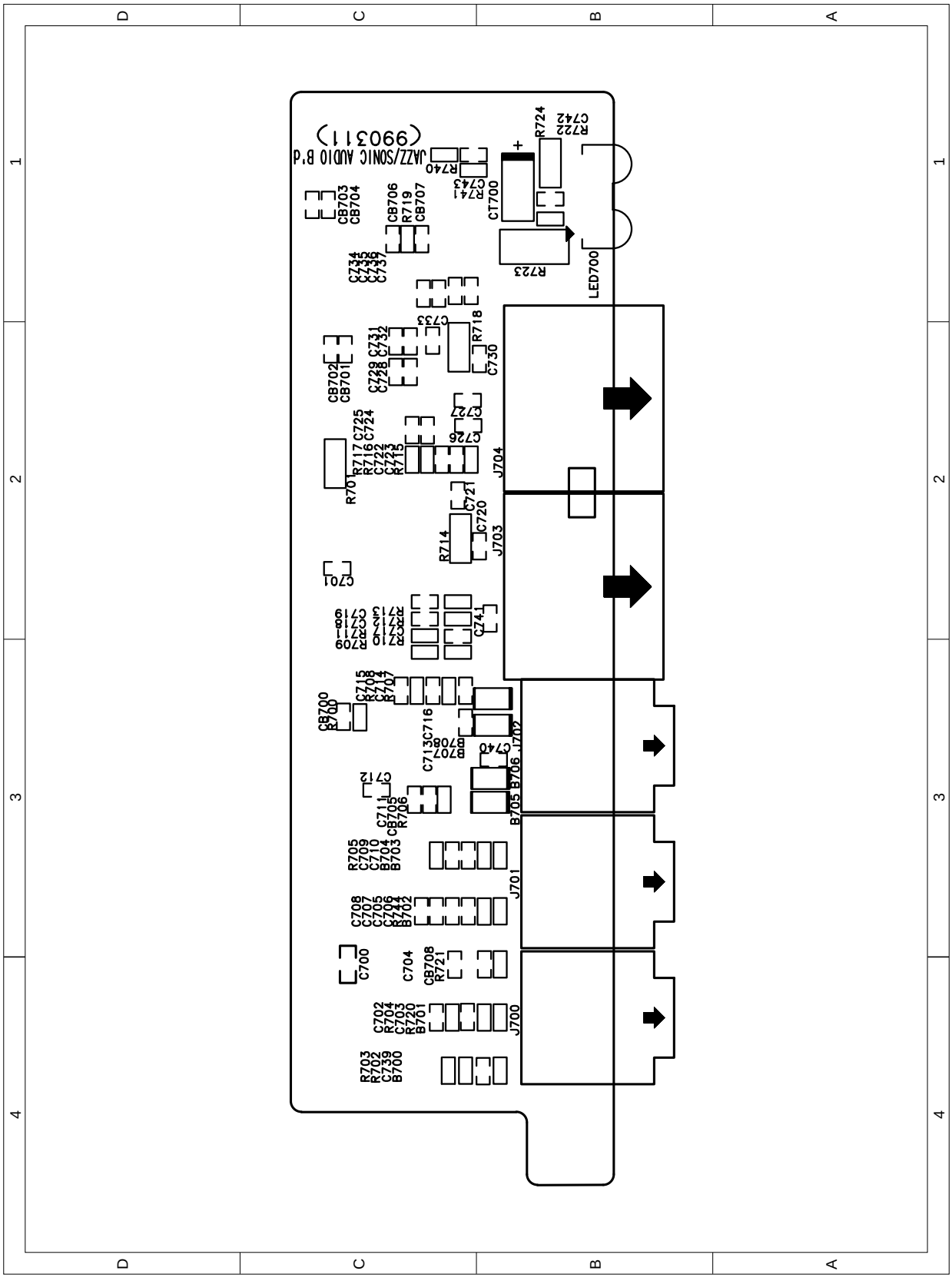
5-1-4 PCB Silkscreen




S630/S670 Main Board
SEC code: BA41-00026A
Date : 1999.03.11.
Rev. : 1.0(990311)
Made in Korea
RTC Batt
MODEM
EXT-FDD
FDD
LCD
HDD
PCMCIA
DOCKING
TOUCH PAD
FAN
PS/2
S-VHS
D
C
B
A
1
2
3
4

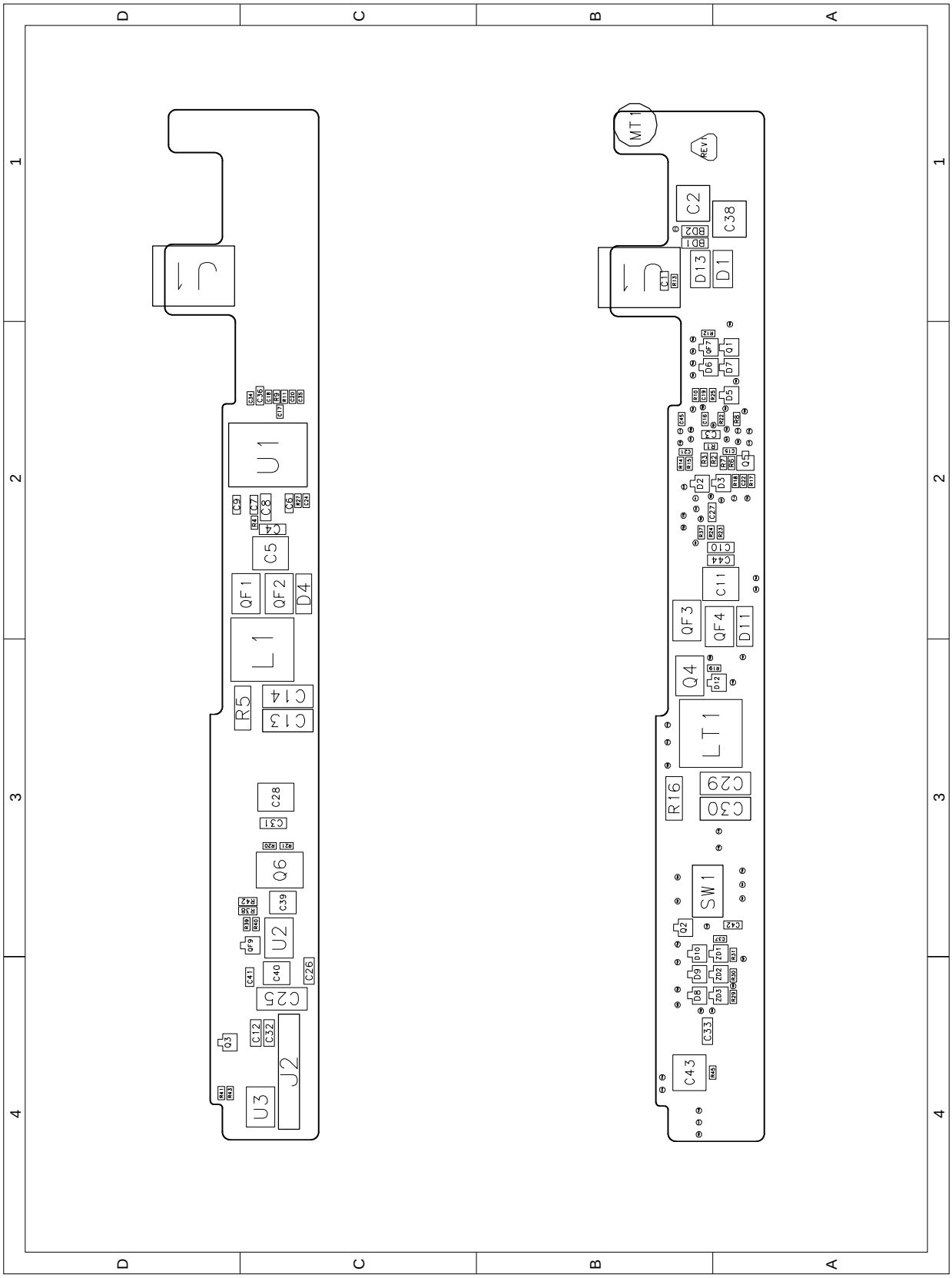
5-2-2 PCB Silkscreen

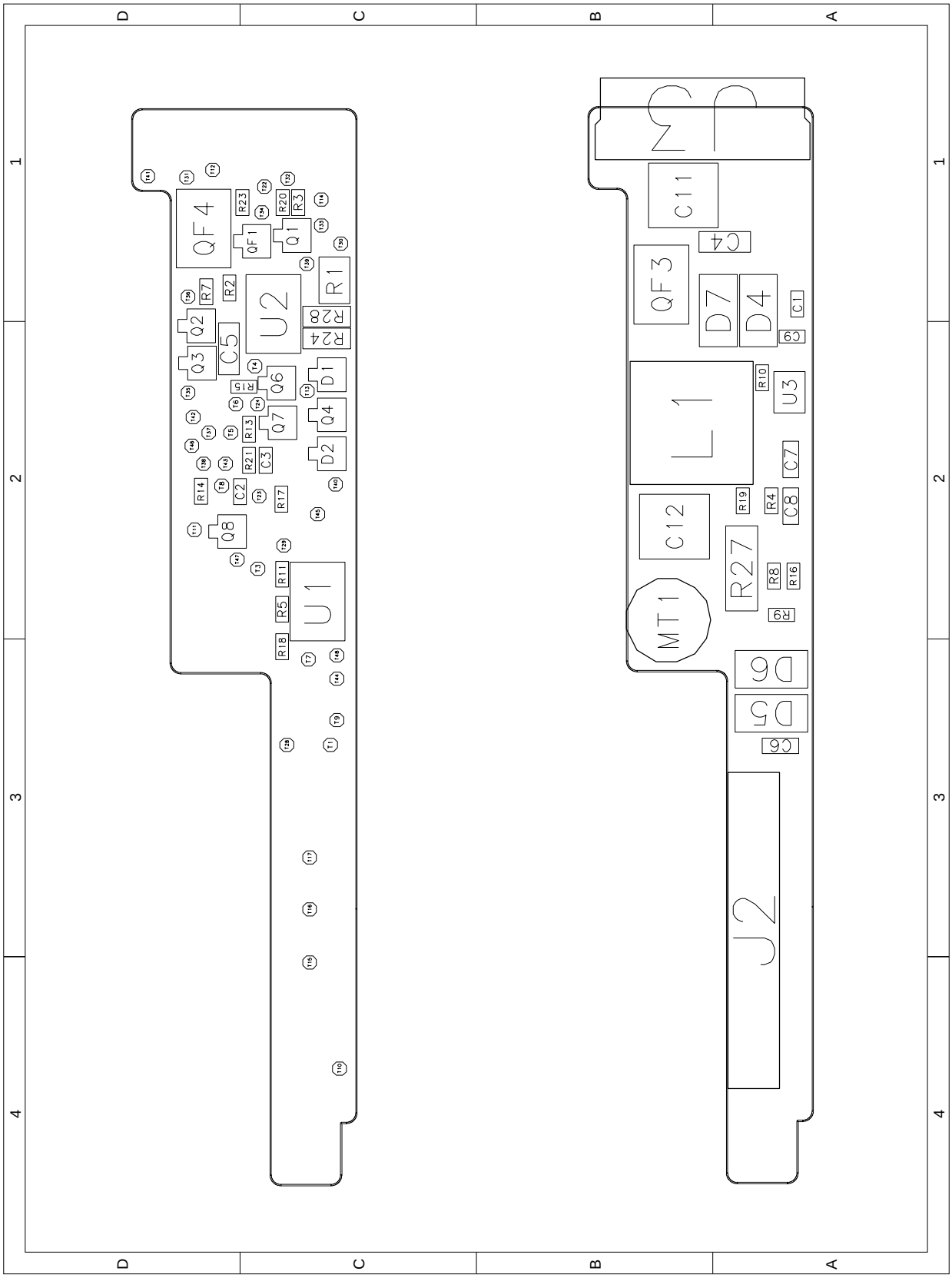


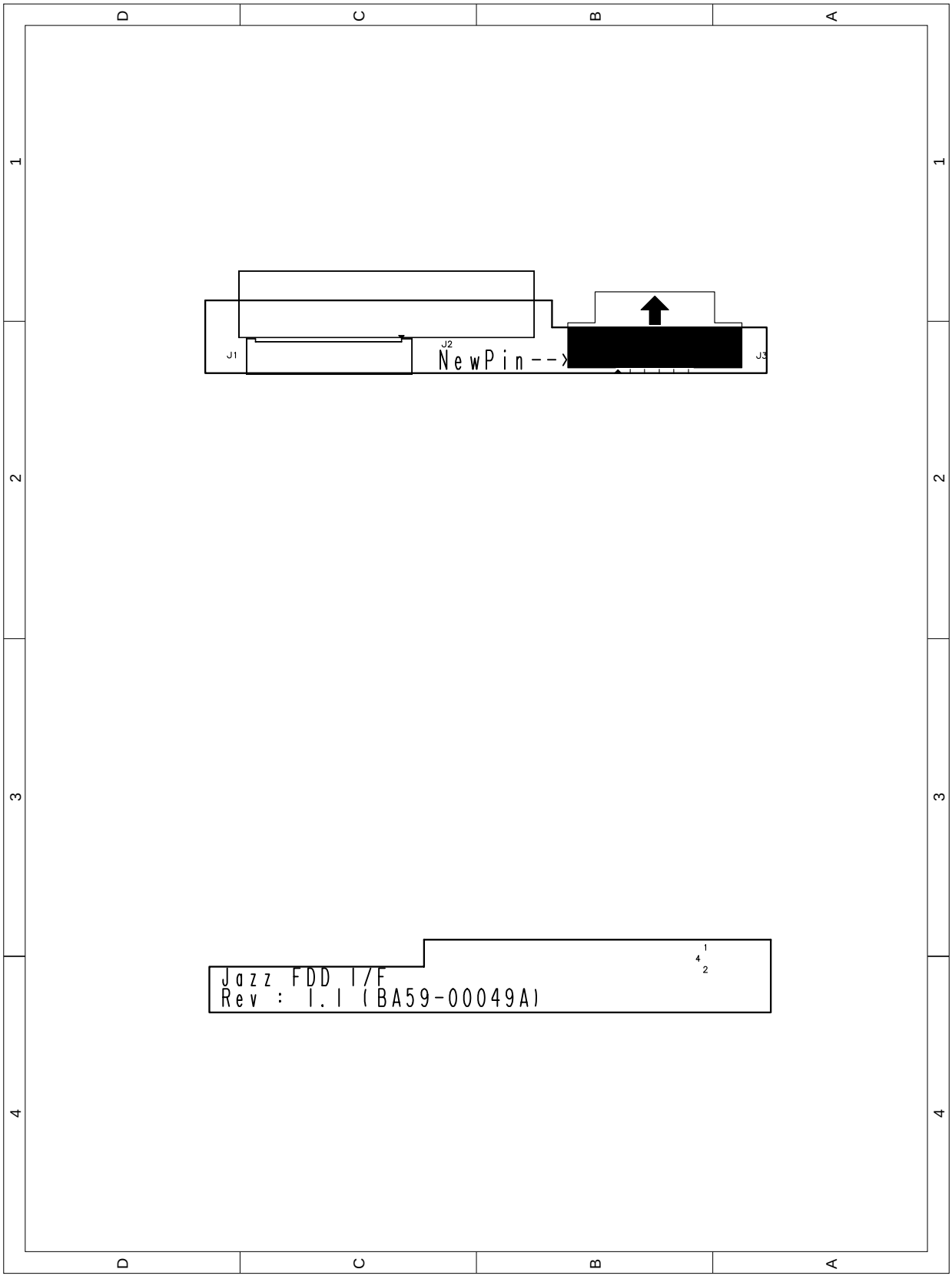

JAZZ/SONIC AUDIO B'd
(990311)
D
C
B
A
1
2
3
4
J700
J701
J702
J703
J704
LED700
CT700

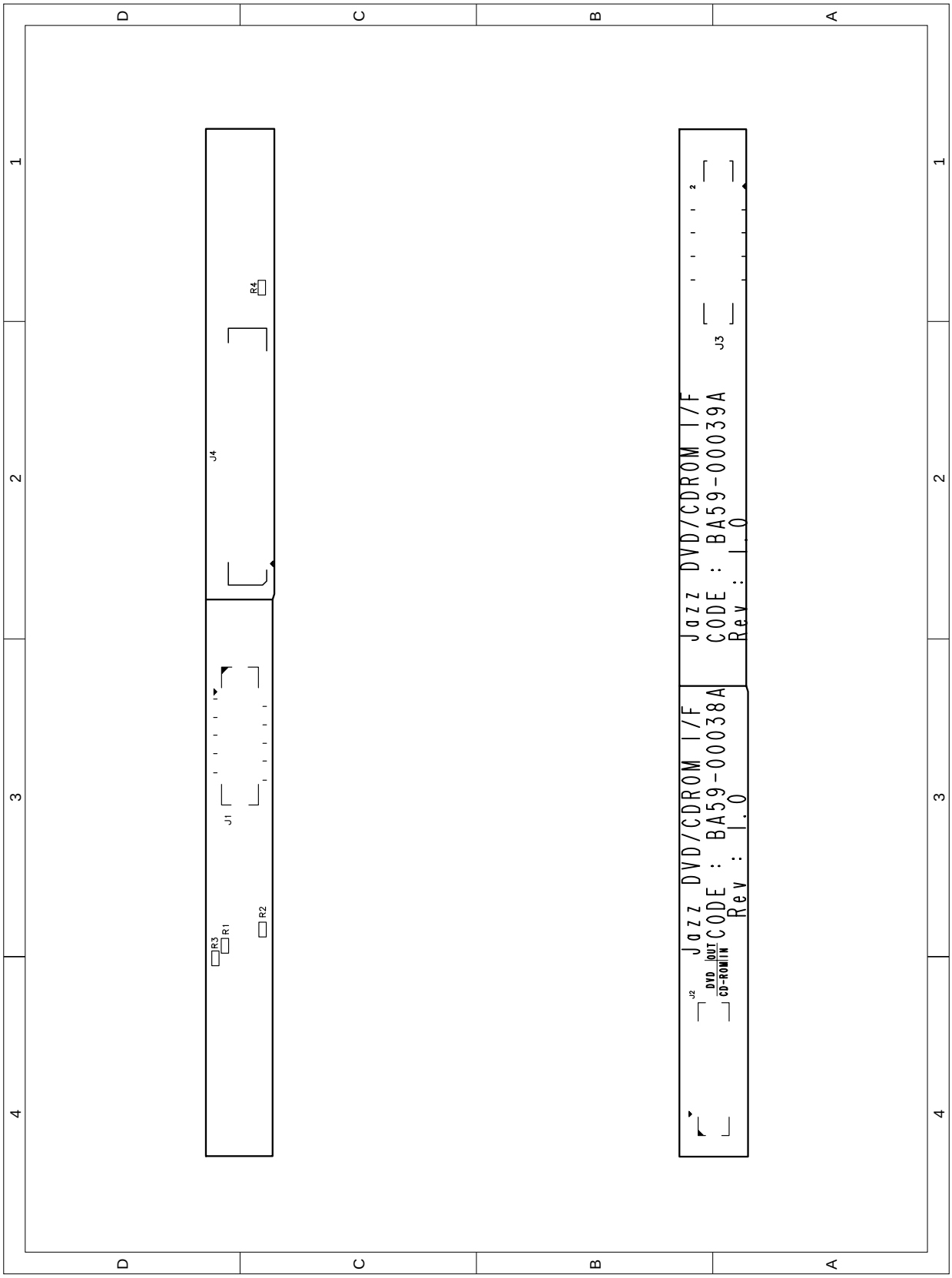
5-3-2 PCB Silkscreen

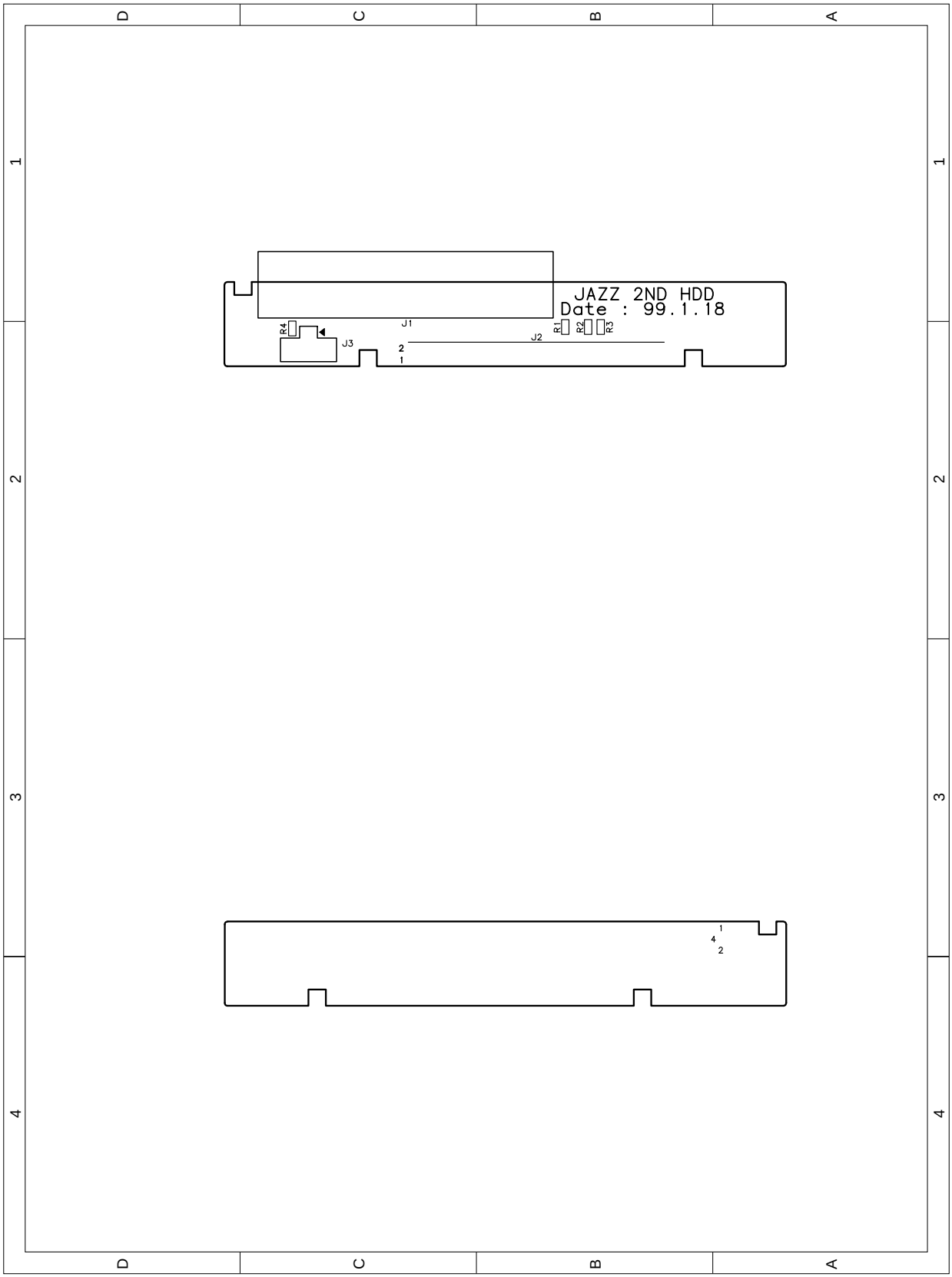
5-4-2 PCB Silkscreen

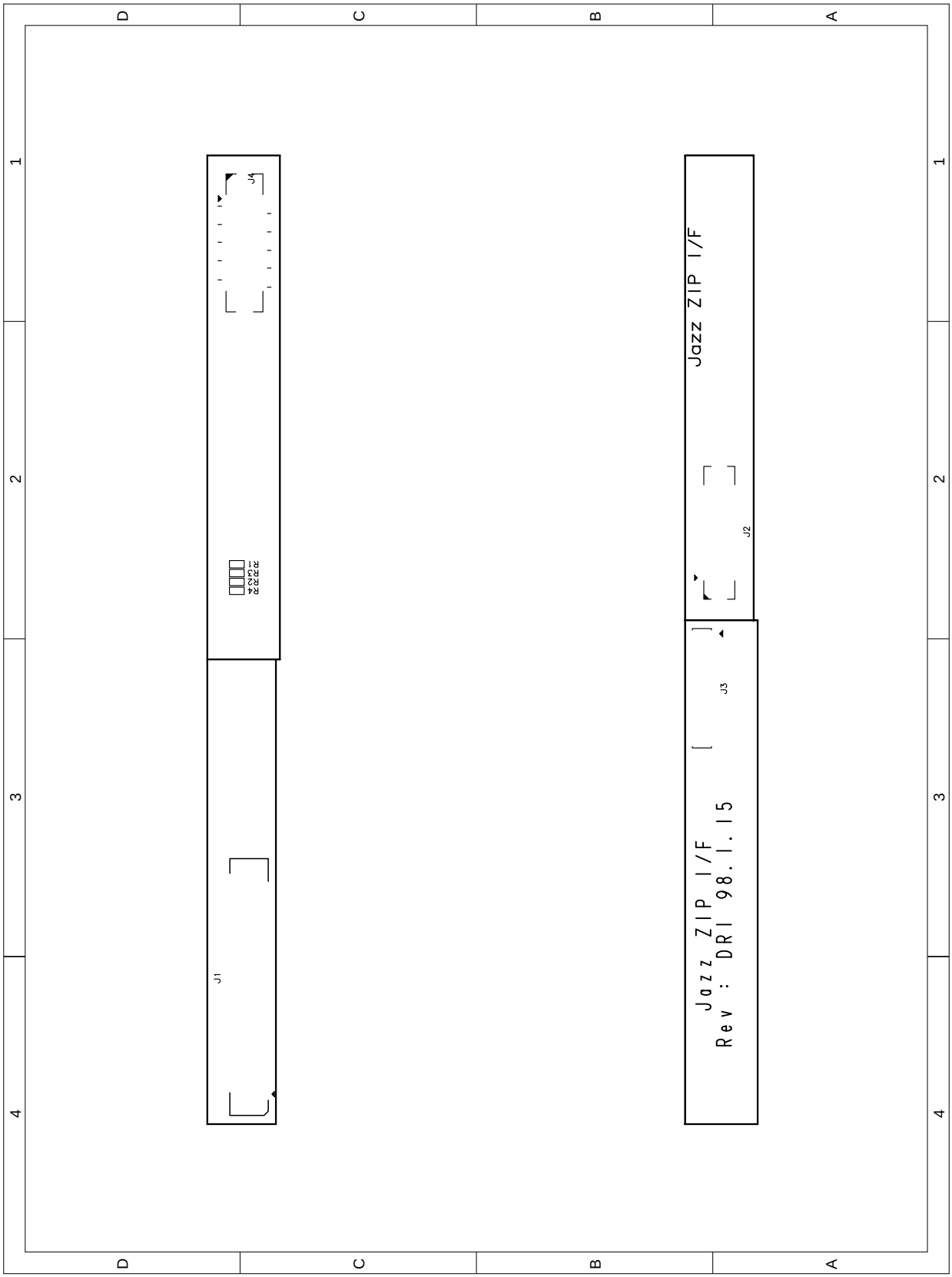


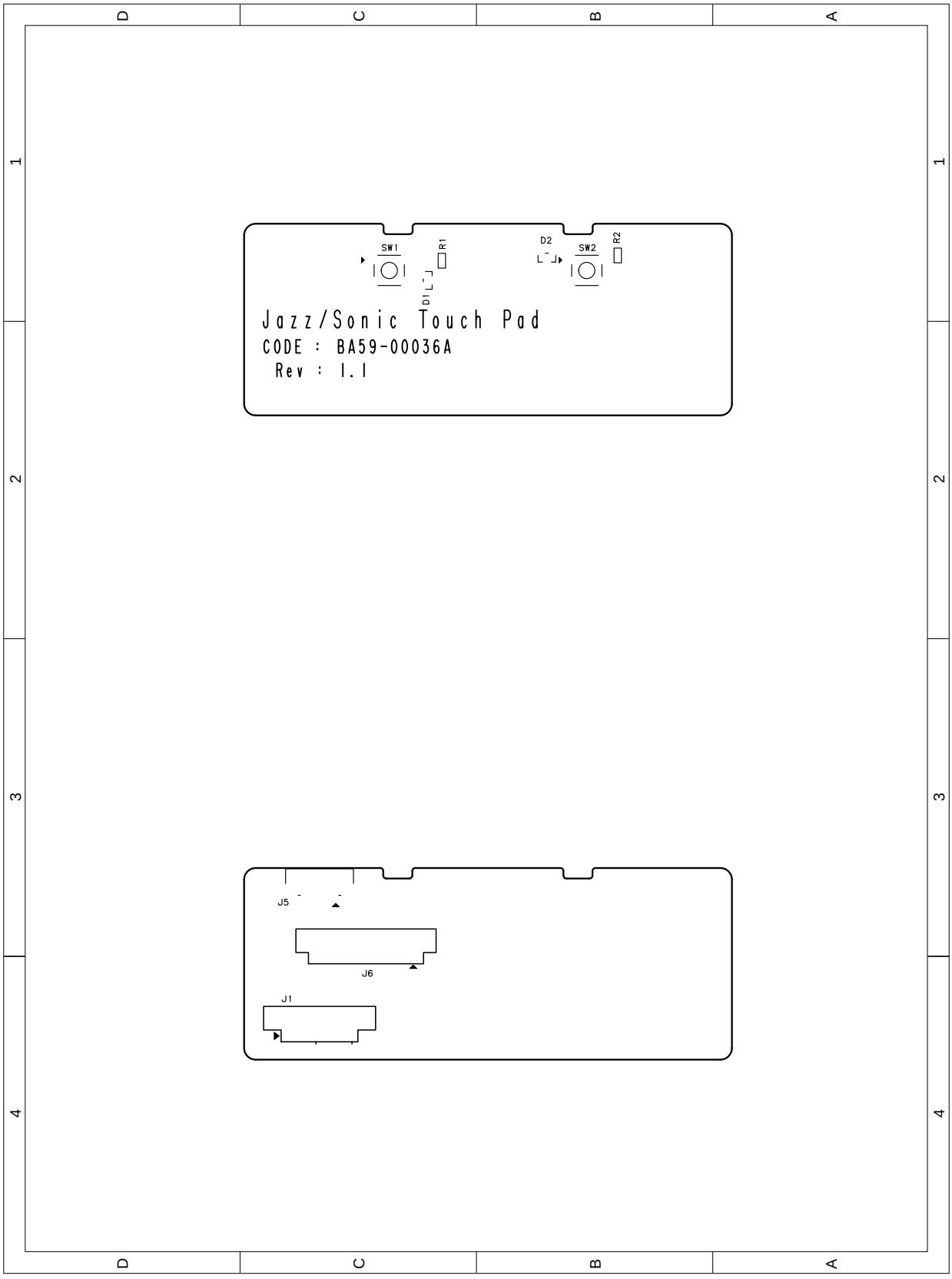

D
C
B
A
1
2
3
4
QF4
R23
R20
R3
QF1
Q1
R1
R7
R2
U2
Q2
Q3
C5
R22
R24
R15
Q6
D1
Q4
Q7
R13
R21
C3
D2
R14
C2
R17
Q8
R11
R5
U1
R18
C11
C4
QF3
D7
D4
C1
C9
L1
R10
U3
C7
R19
R4
C8
C12
R27
R8
R16
MT1
R9
D6
D5
C6
U2

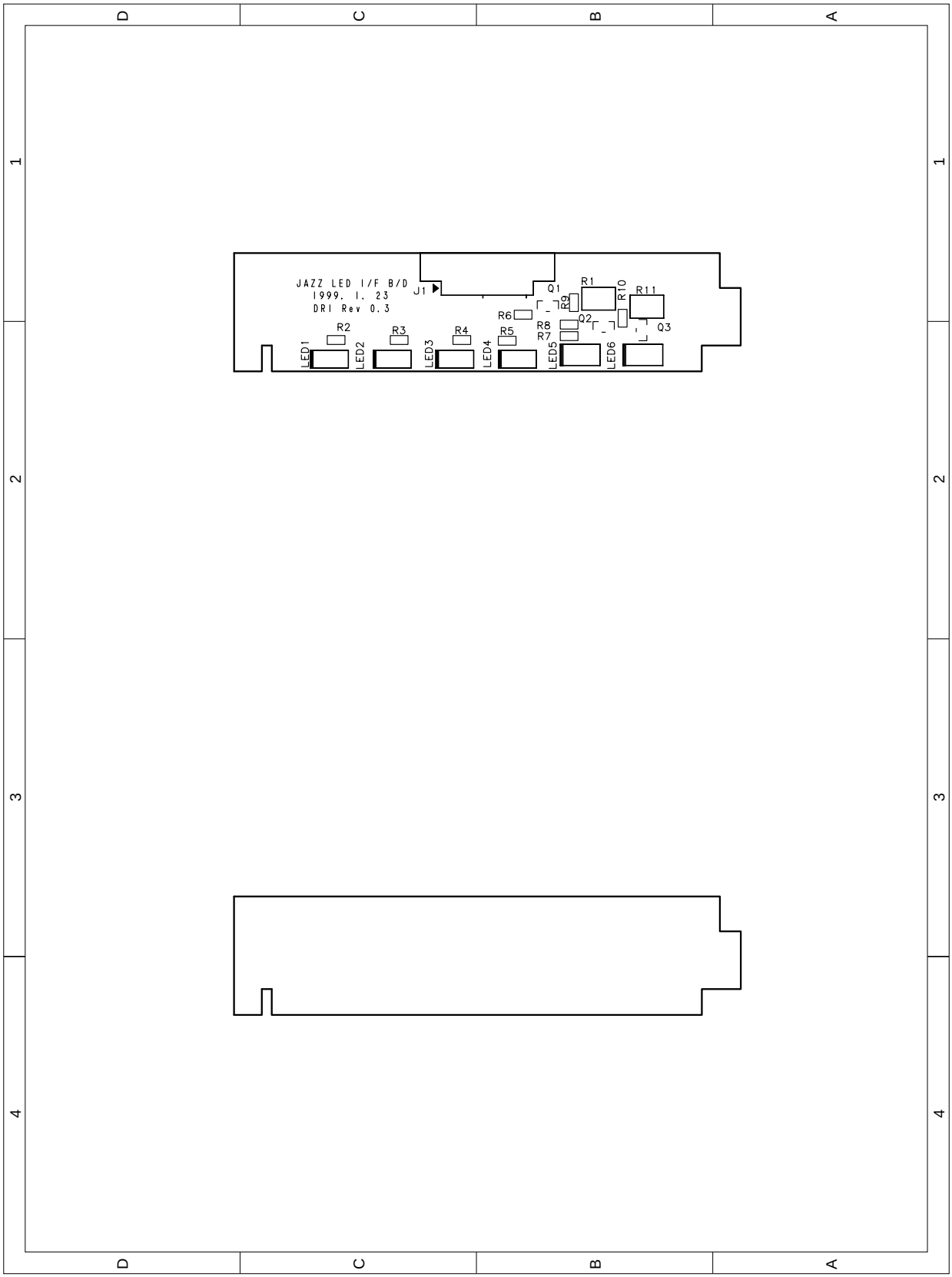

D
C
B
A
1
2
3
4
J1
J2
NewPin-->
J3
Jazz FDD I/F
Rev : 1.1 (BA59-00049A)


D
C
B
A
1
2
3
4
J4
R4
J1
R3
R1
R2
J2
DVD OUT
CD-ROM IN
Jazz DVD/CDROM I/F
CODE : BA59-00038A
Rev : 1.0
J3
Jazz DVD/CDROM I/F
CODE : BA59-00039A
Rev : 1.0

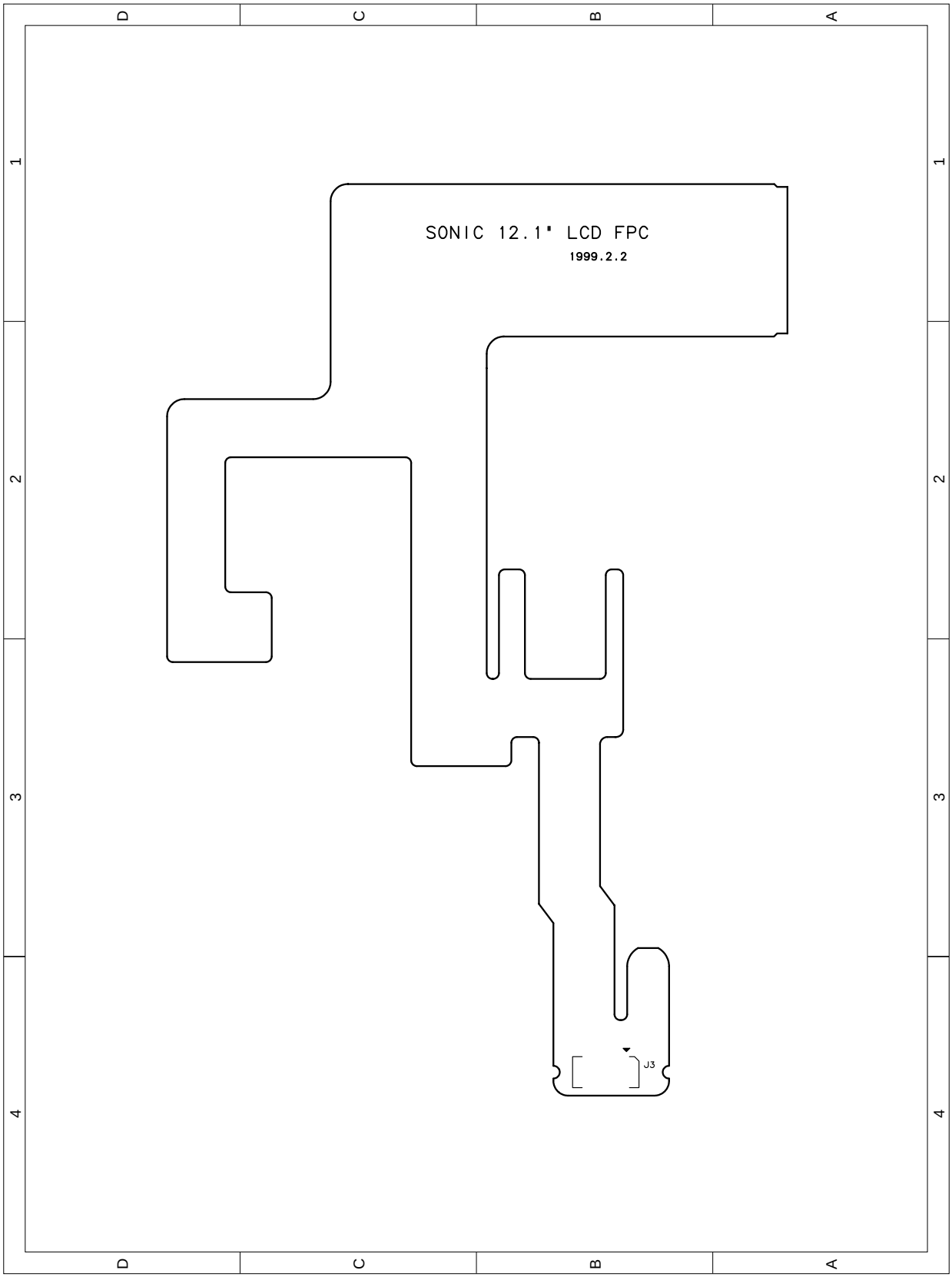

D
C
B
A
1
2
3
4
JAZZ 2ND HDD
Date : 99.1.18
J1
J2
J3
R1
R2
R3
R4
2
1
1
4
2

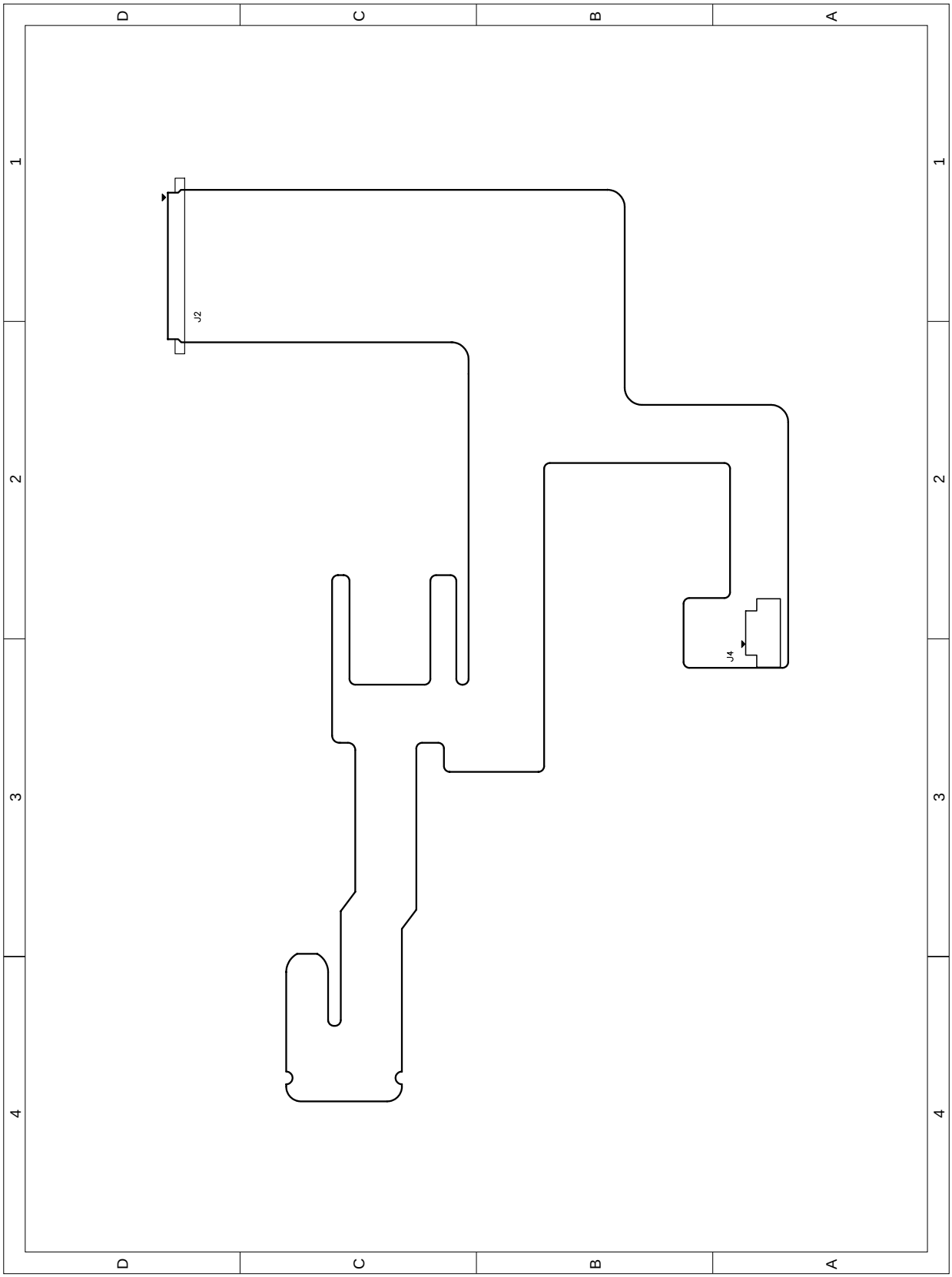

D
C
B
A
1
2
3
4
J4
J1
J2
J3
Jazz ZIP I/F
Jazz ZIP I/F
Rev : DRI 98.1.15


SW1
R1
D1
D2
SW2
R2
Jazz/Sonic Touch Pad
CODE : BA59-00036A
Rev : 1.1
J5
J6
J1

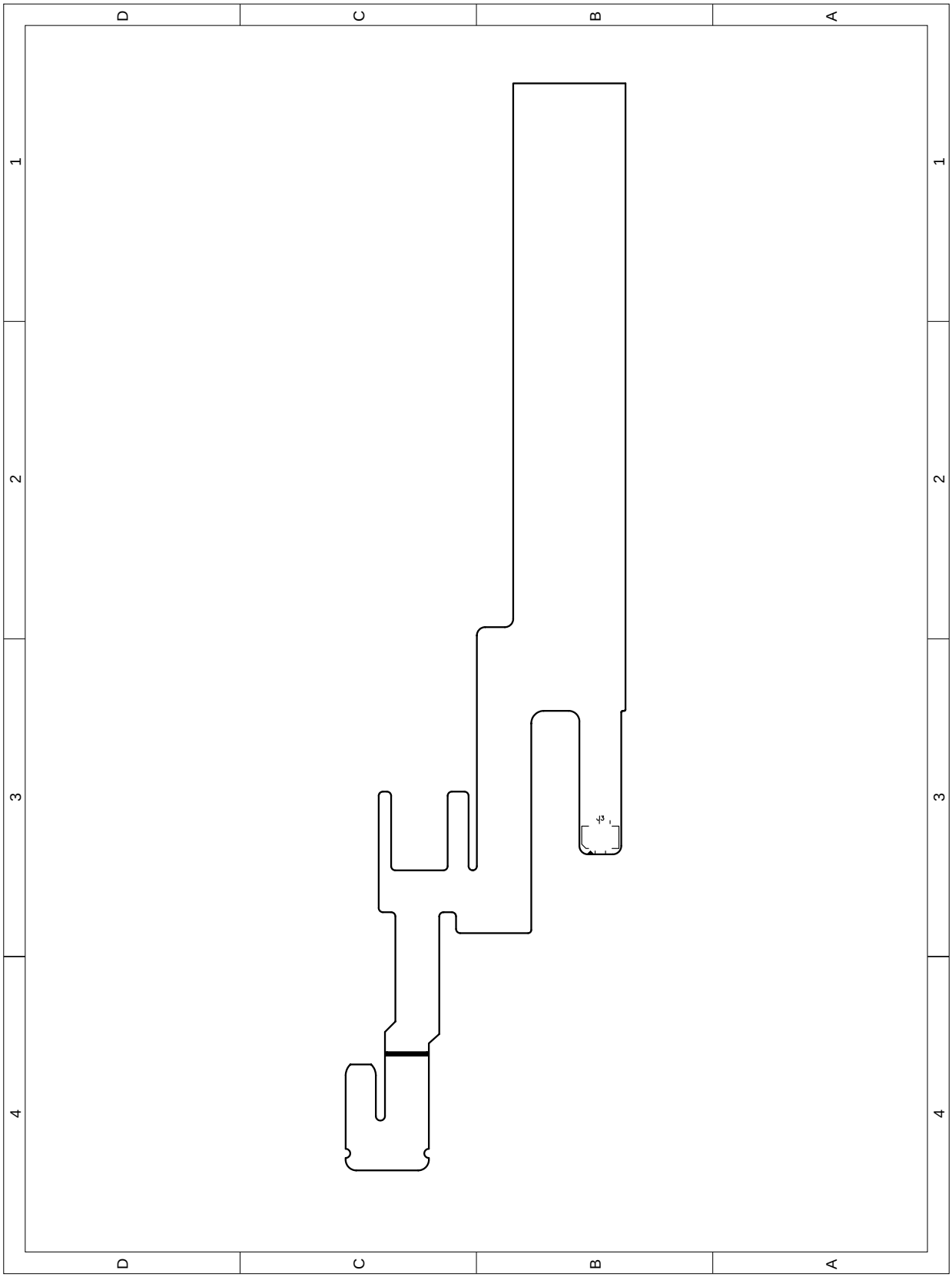

D
C
B
A
1
2
3
4
JAZZ LED I/F B/D
1999. 1. 23
DRI Rev 0.3
J1
Q1
R1
R10
R11
R9
R6
Q2
Q3
R8
R7
R2
R3
R4
R5
LED1
LED2
LED3
LED4
LED5
LED6

5-12-2 PCB Silkscreen

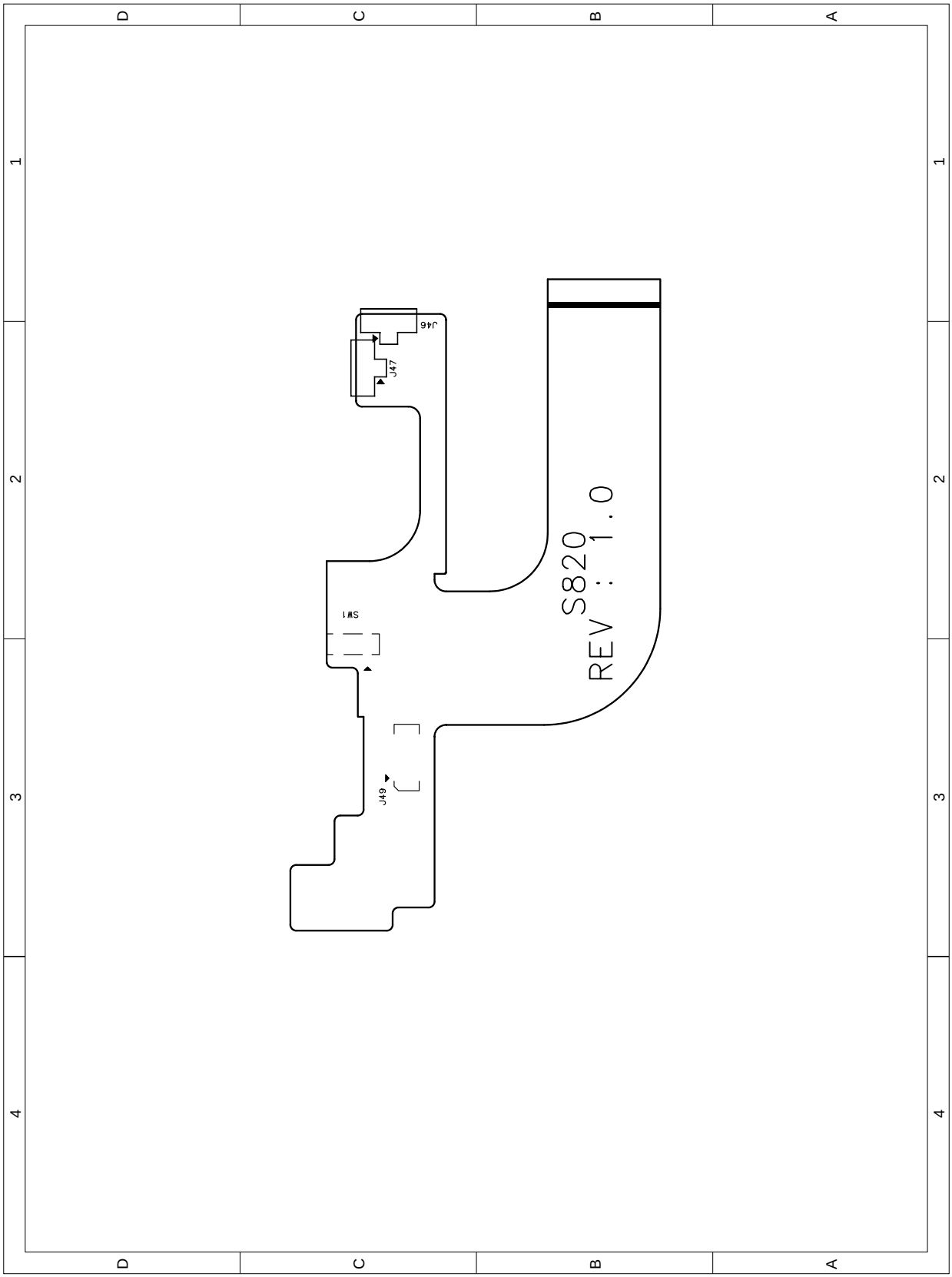


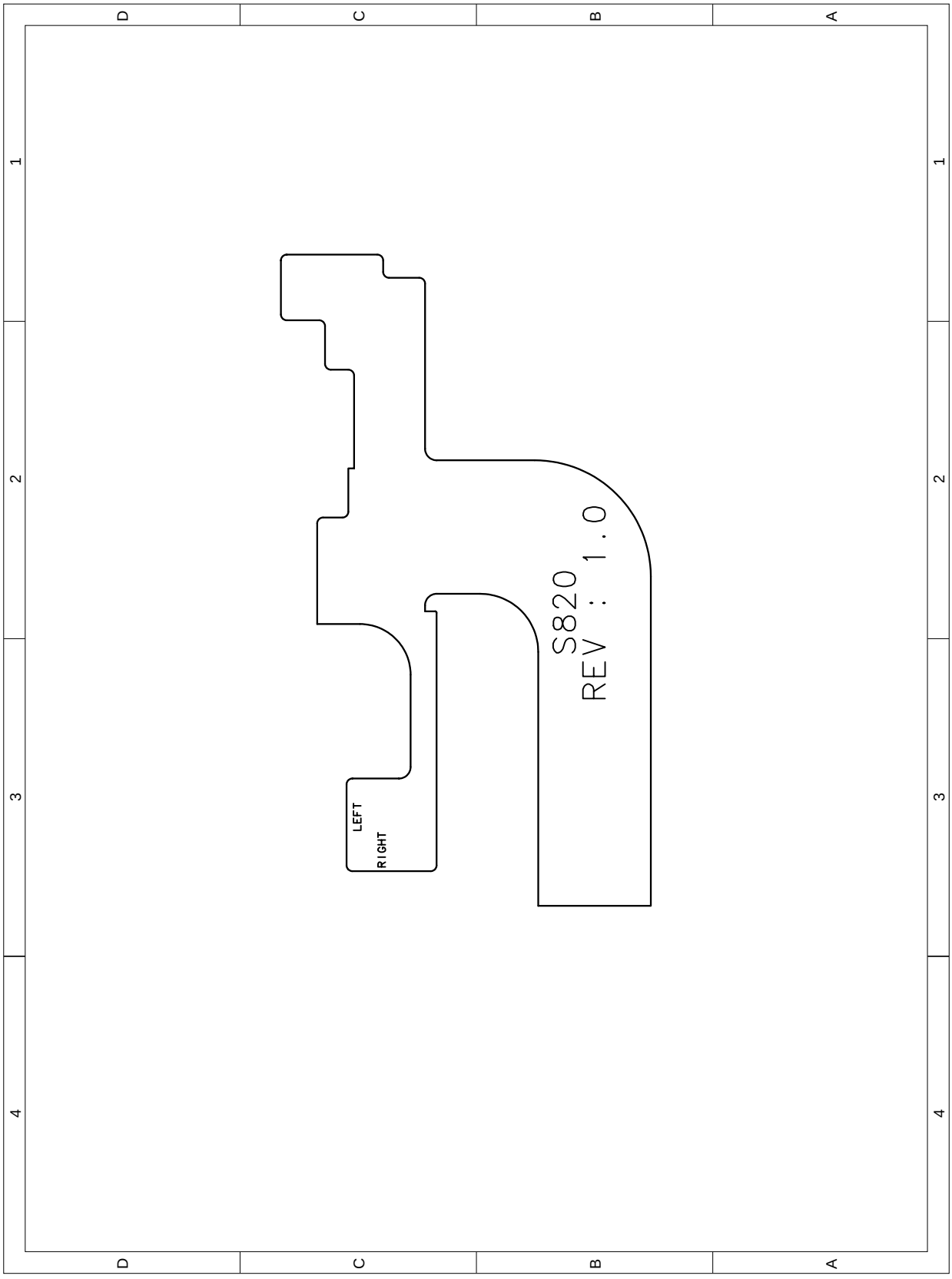

D
C
B
A
1
2
3
4
J2
J4

5-13-2 PCB Silkscreen



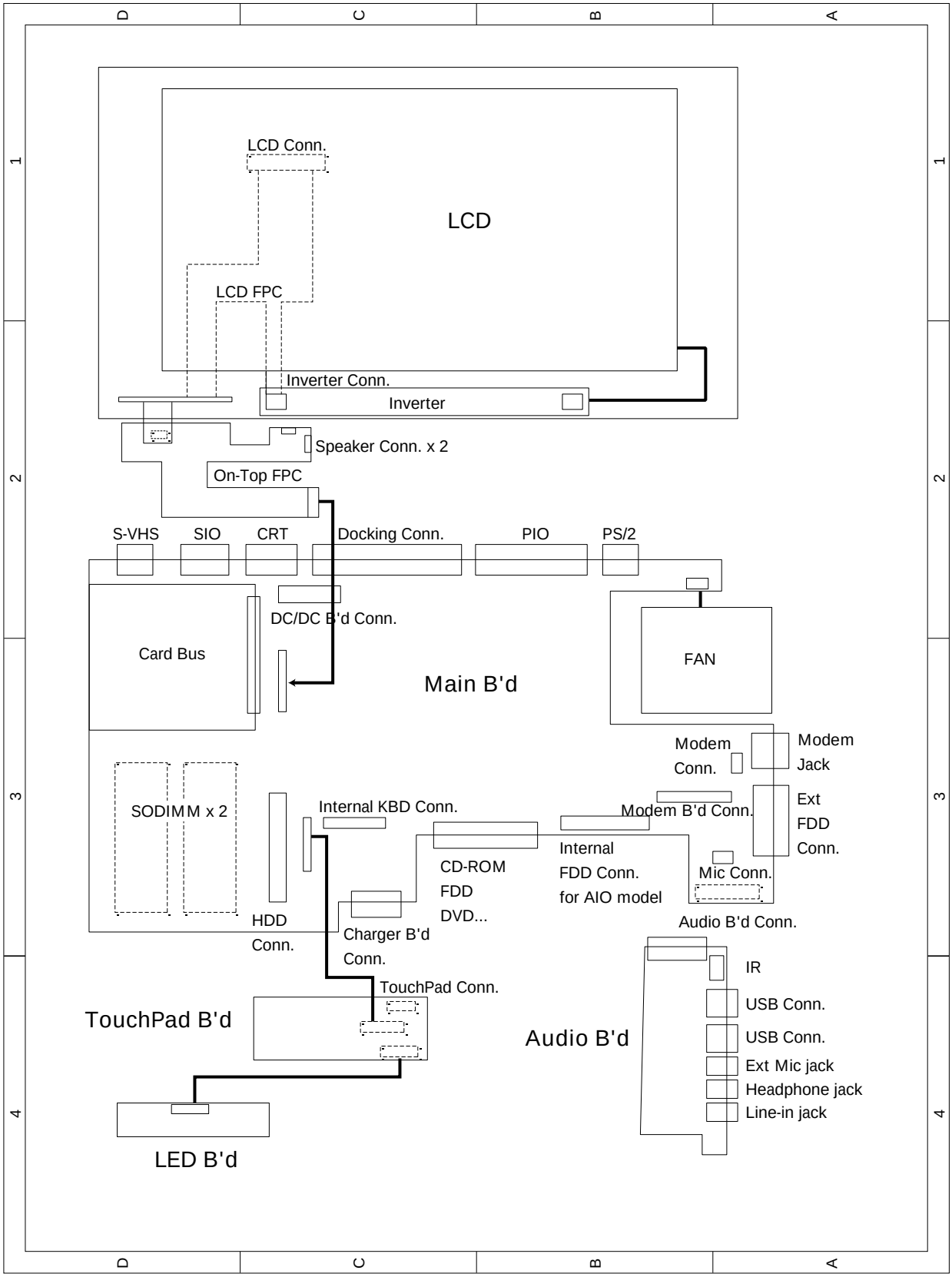
5-14-2 PCB Silkscreen



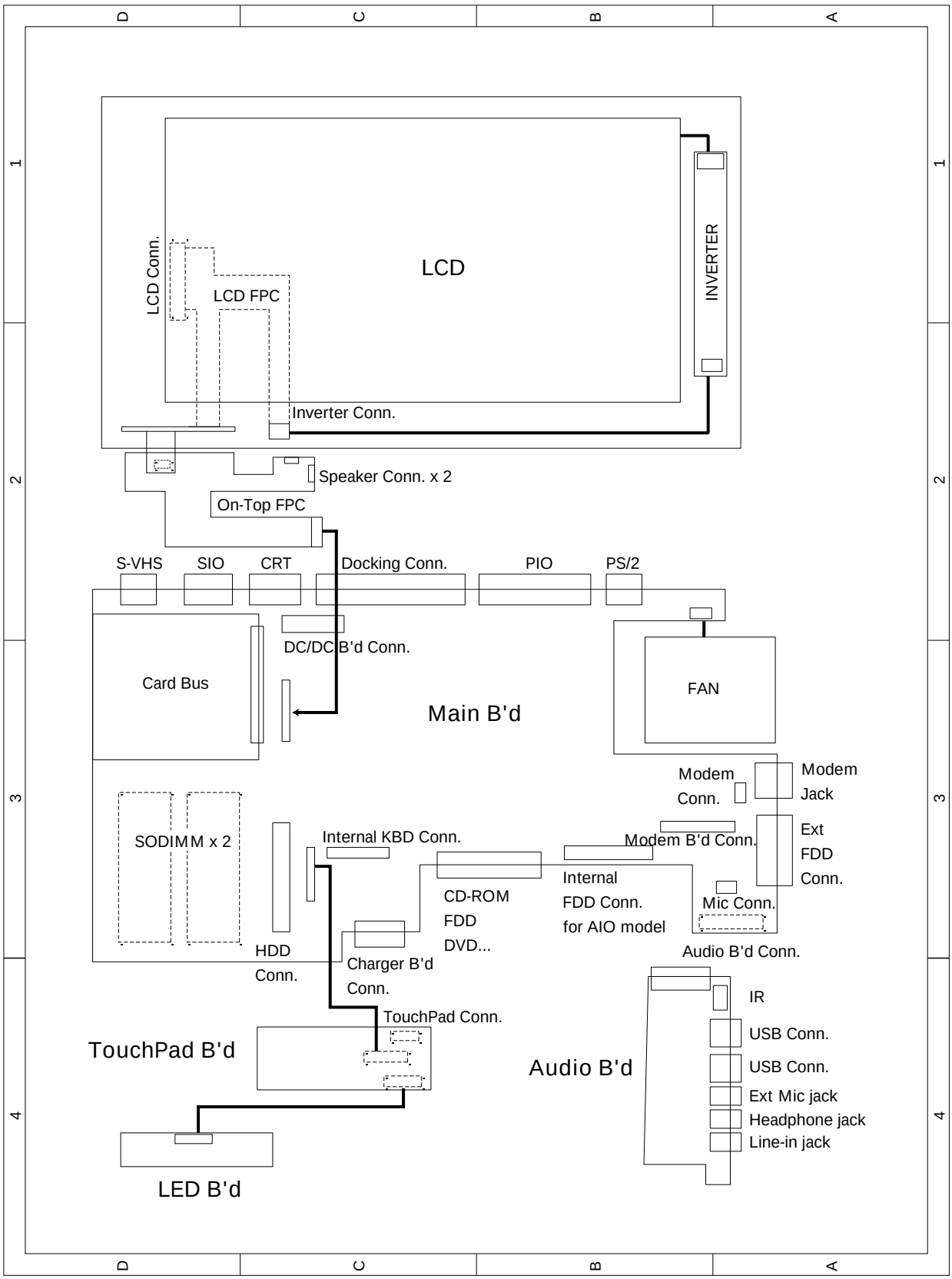

D
C
B
A
1
2
3
4
S820
REV : 1.0
LEFT
RIGHT

3 System Wiring Diagram

3-1 System Wiring Diagram(13.3”)



3-2 System Wiring Diagram(12.1”)



5 Schematic Diagrams and PCB Silkscreen

5-1 Main Board

5-1-1 Schematic Diagrams

Sheet 1. COVER Sheet
Sheet 2. Clock Chip
Sheet 3. PII DIXON-1
Sheet 4. PII DIXON-2
Sheet 5. NORTHBRIDGE
Sheet 6. Termination resistor 1
Sheet 7. Termination resistor 2
Sheet 8. SODIMM
Sheet 9. PIIX4E-1
Sheet 10. PIIX4E-2
Sheet 11. PIIX4E-3
Sheet 12. CARD BUS : RB5C478II
Sheet 13. CARD BUS CONNECTOR
Sheet 14. BIOS
Sheet 15. HDD CONNECTER & SWAP BAY
Sheet 16. SUPER IO
Sheet 17. PIO,SIO,CRT,S_VHS PORT
Sheet 18. MICOM 1
Sheet 19. MICOM 2
Sheet 20. USB,IR,Touchpad & Keyboard
Sheet 21. Video Controller(ATI)
Sheet 22. SGRAM
Sheet 23. DOCKING
Sheet 24. Mounting Hole & CAP
Sheet 25. AUDIO Chip & IRDA I/F
Sheet 26. POWER & FDDs CONNECTER
Sheet 27. Modem Connector
Sheet 28. CPU_POWER

Sheet 29^33 Audio board

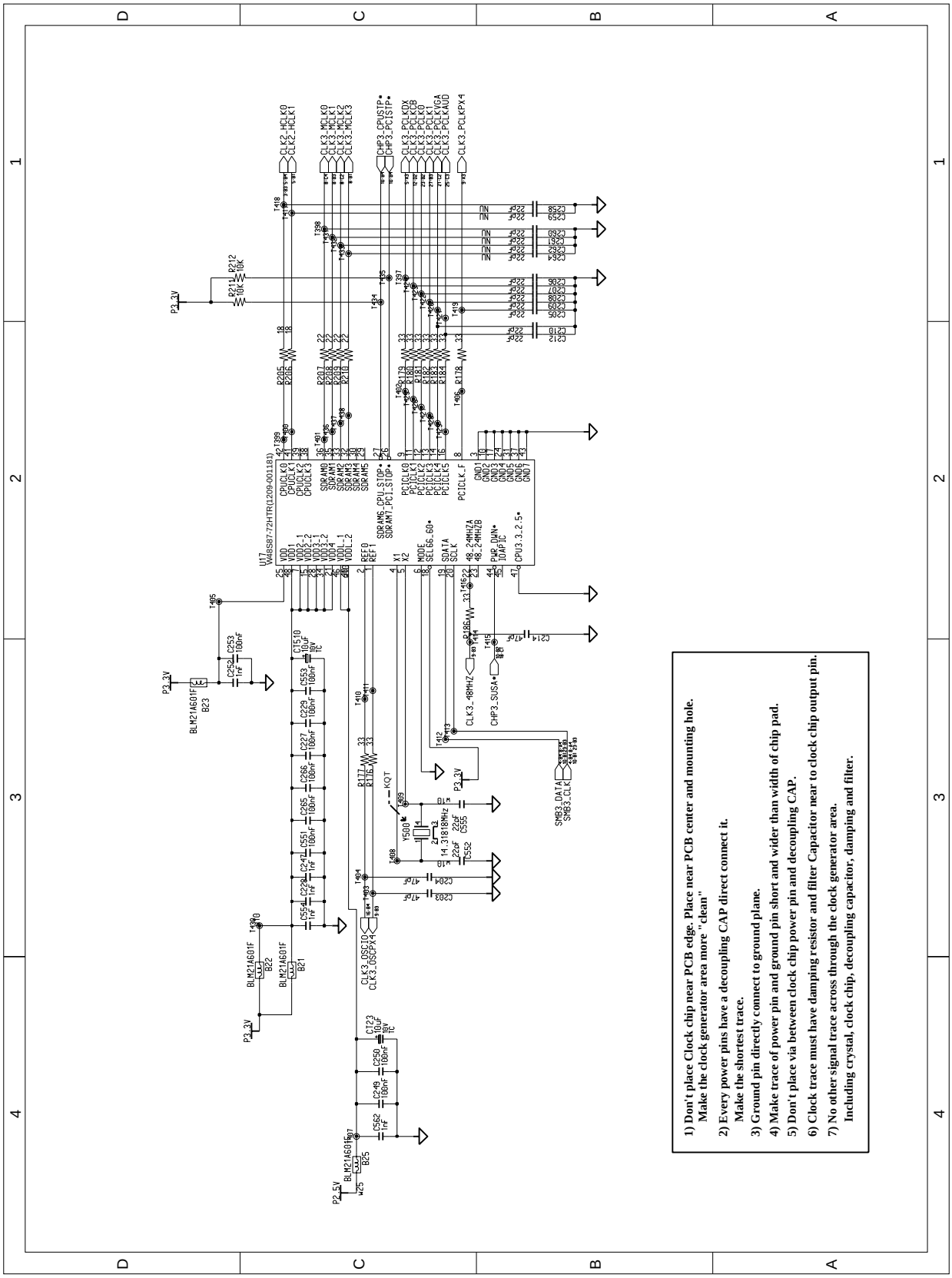
SONIC

CPU : CELERON
Chip Set : 443DX
Remarks :

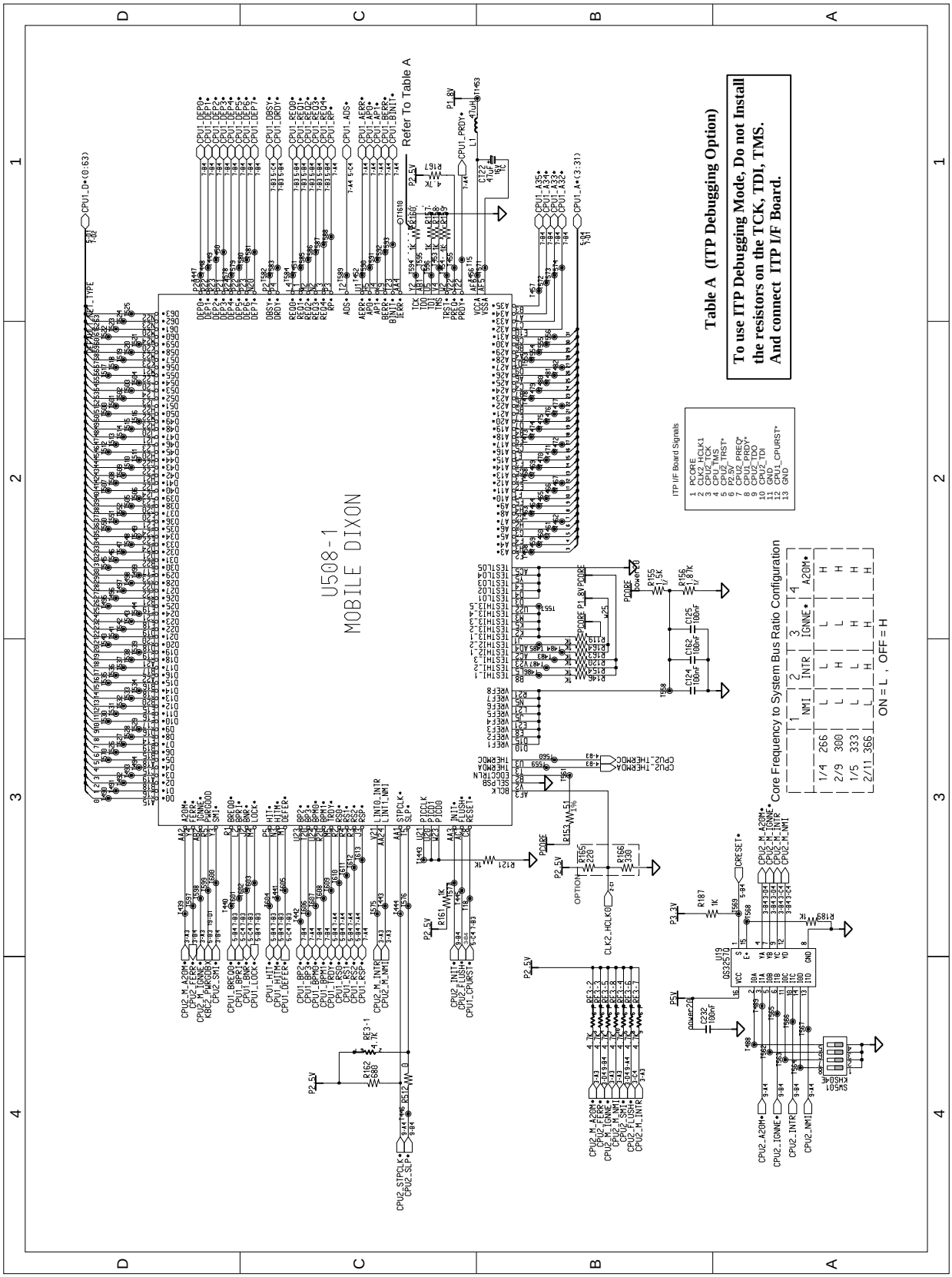
Model Name : S630/S670
PBA Name :
PCB Code : BA41-00026A
Dev. Step : MP
Revision : 1.0
T.R. Date : 1999.03.11.

DRAW	CHECK	APPROVAL	

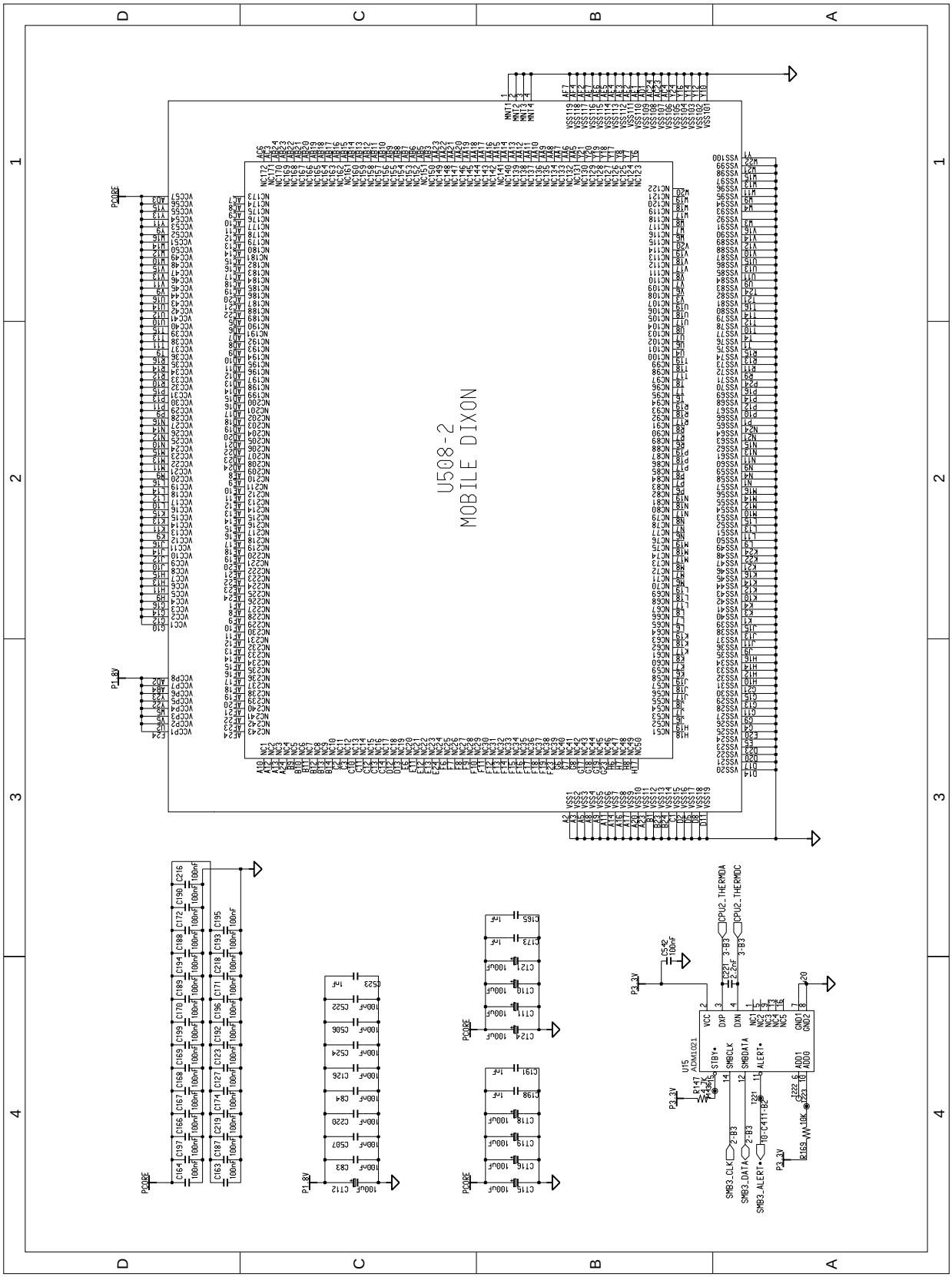
5-1-1(a) Main Board Schematic Sheet 2 of 28(Clock Chip)


1) Don't place Clock chip near PCB edge. Place near PCB center and mounting hole.
Make the clock generator area more " clean"
2) Every power pins have a decoupling CAP direct connect it.
Make the shortest trace.
3) Ground pin directly connect to ground plane.
4) Make trace of power pin and ground pin short and wider than width of chip pad.
5) Don't place via between clock chip power pin and decoupling CAP.
6) Clock trace must have damping resistor and filter Capacitor near to clock chip output pin.
7) No other signal trace across through the clock generator area.
Including crystal, clock chip, decoupling capacitor, damping and filter.

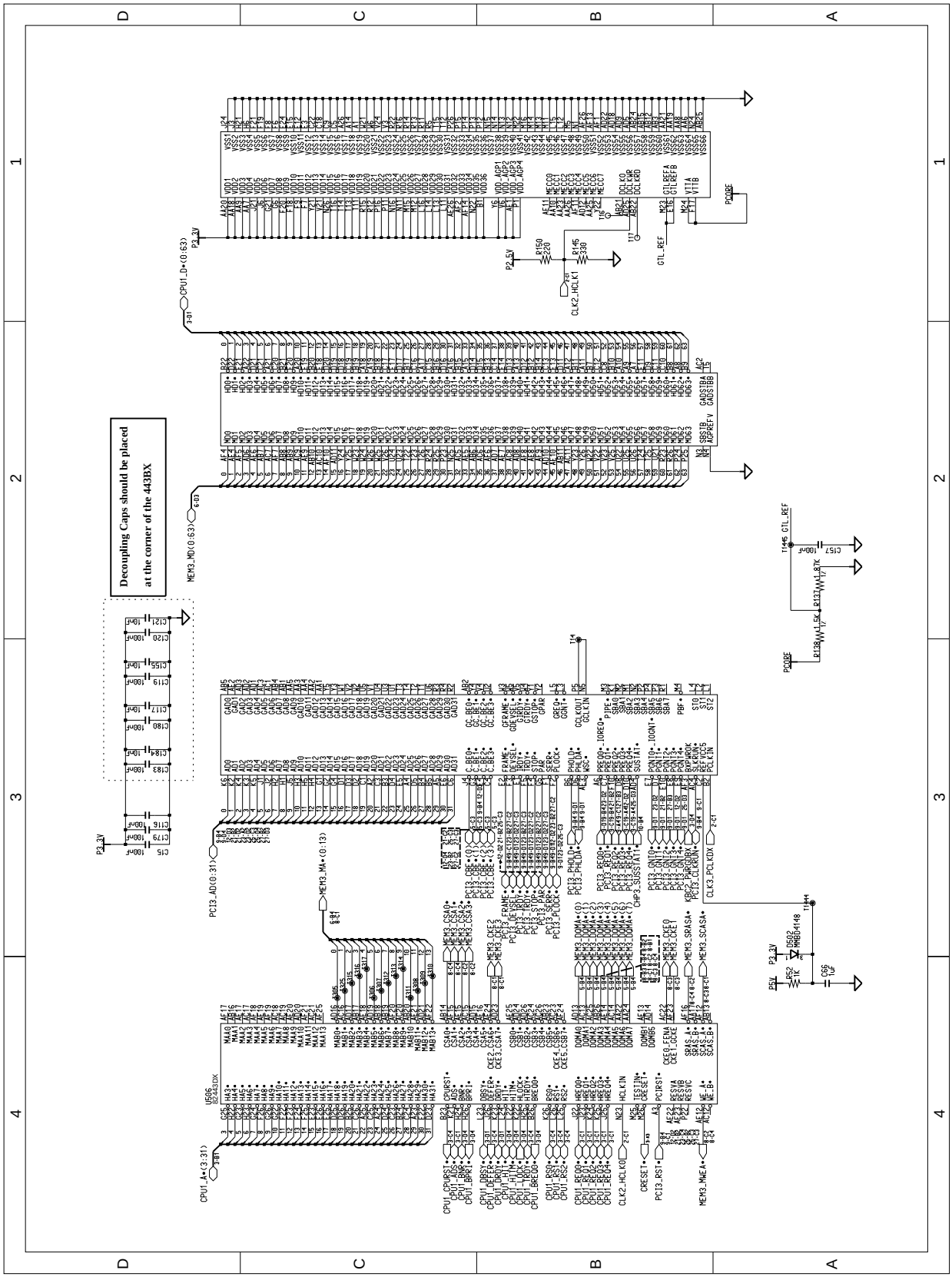
5-1-1(b) Main Board Schematic Sheet 3 of 28(PII DIXON-1)



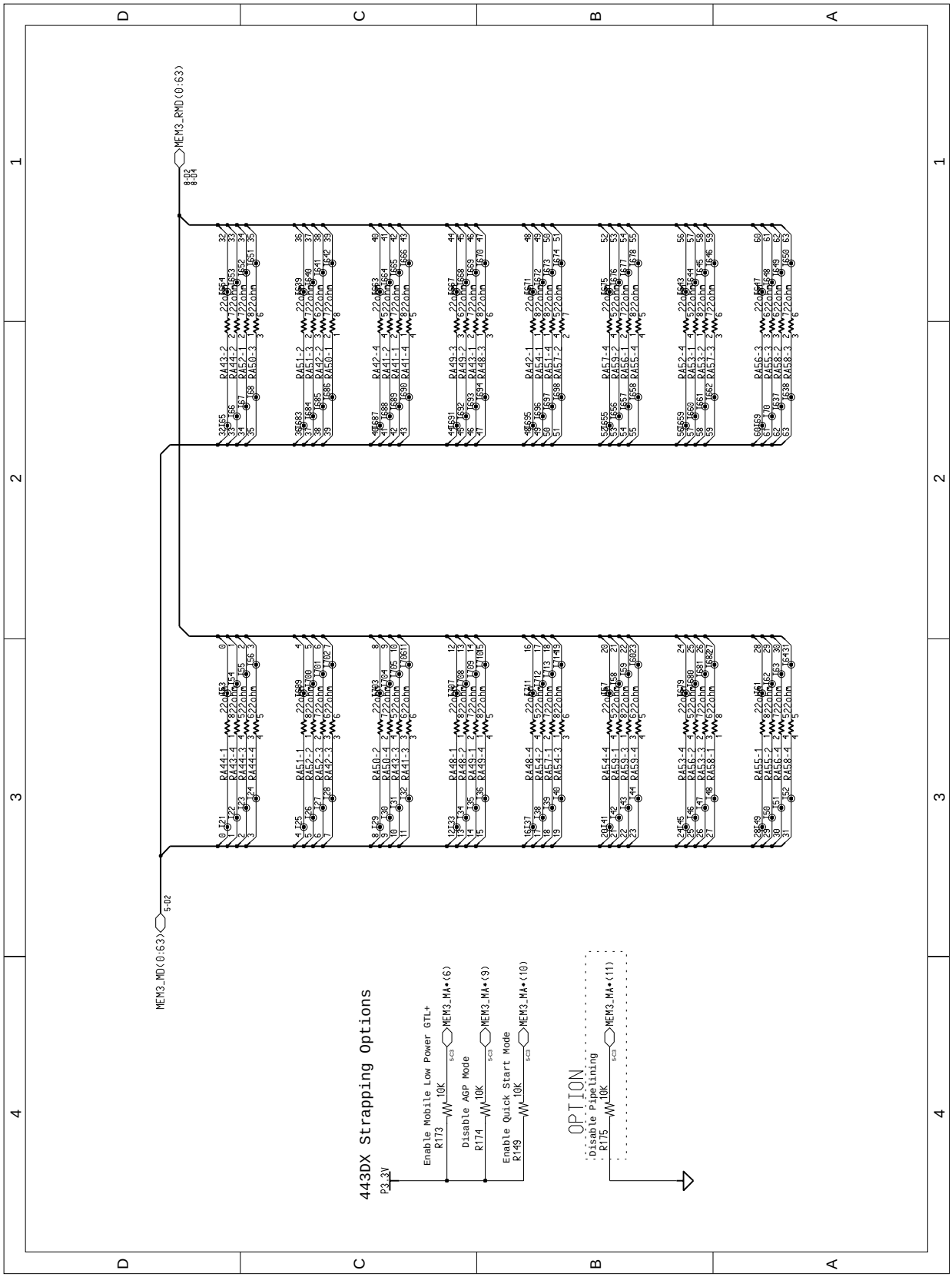
5-1-1(c) Main Board Schematic Sheet 4 of 28(PII DIXON-2)



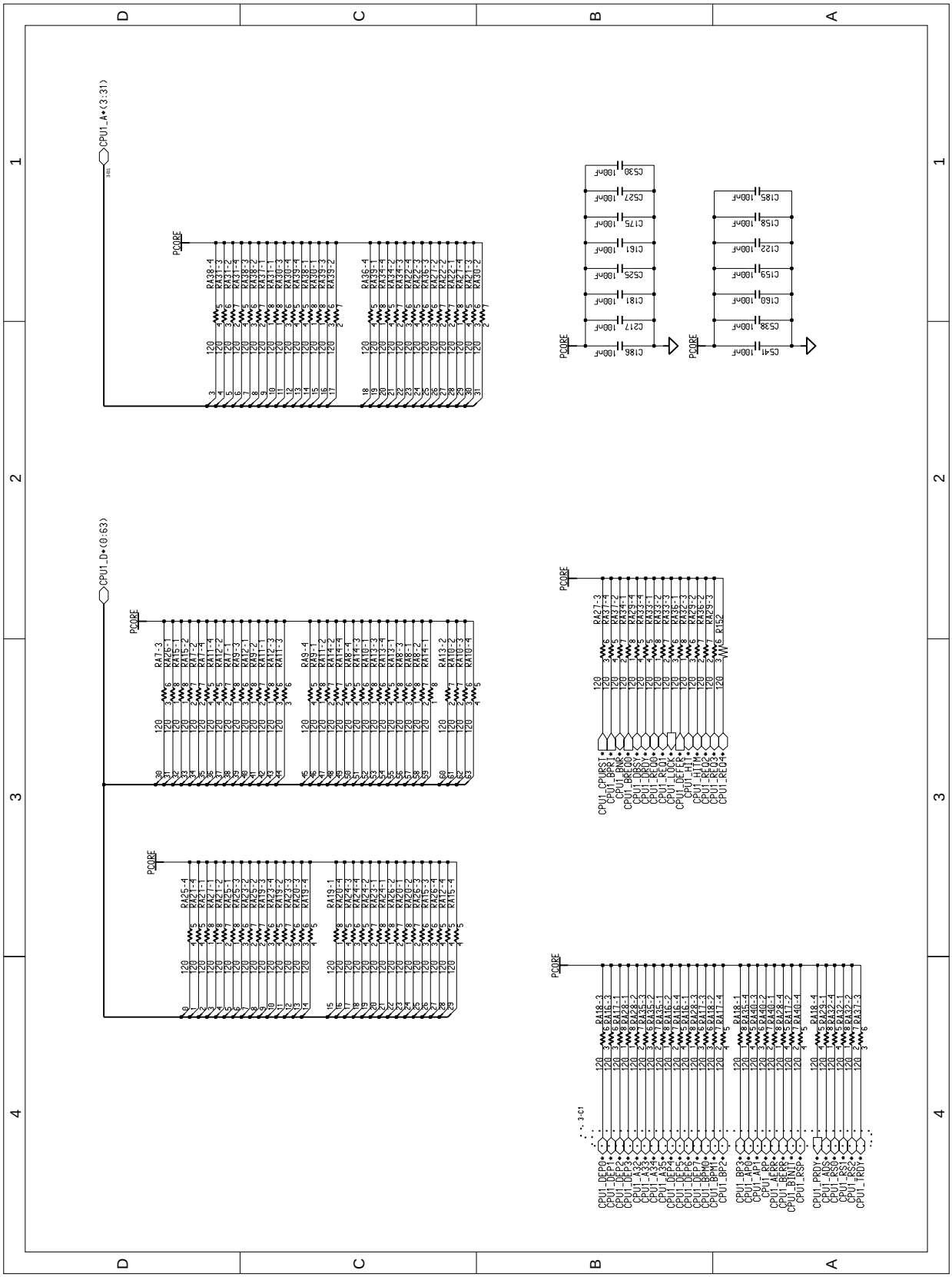
5-1-1(d) Main Board Schematic Sheet 5 of 28(NORTHBRIDGE)



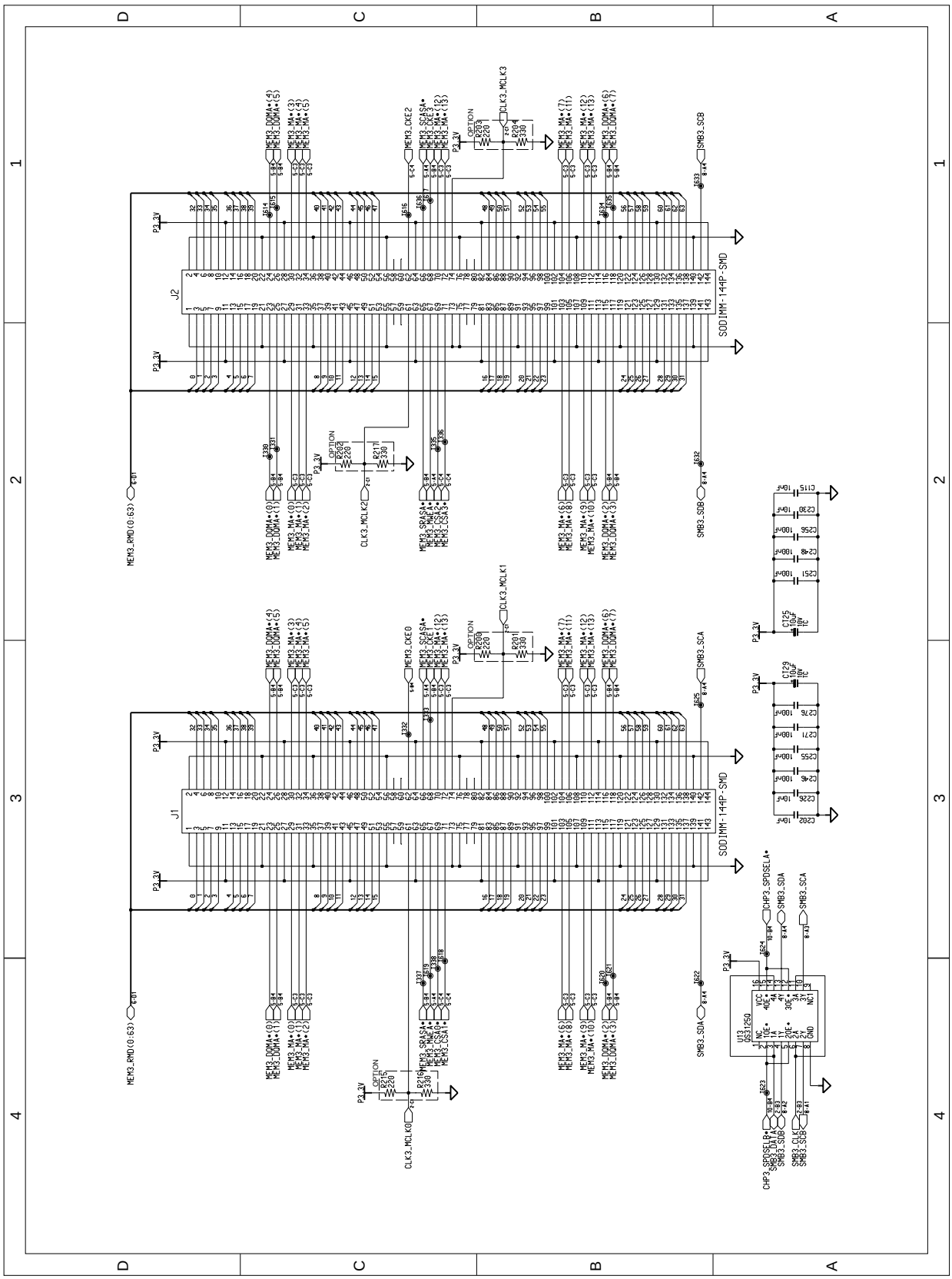
5-1-1(e) Main Board Schematic Sheet 6 of 28(Termination resistor 1)



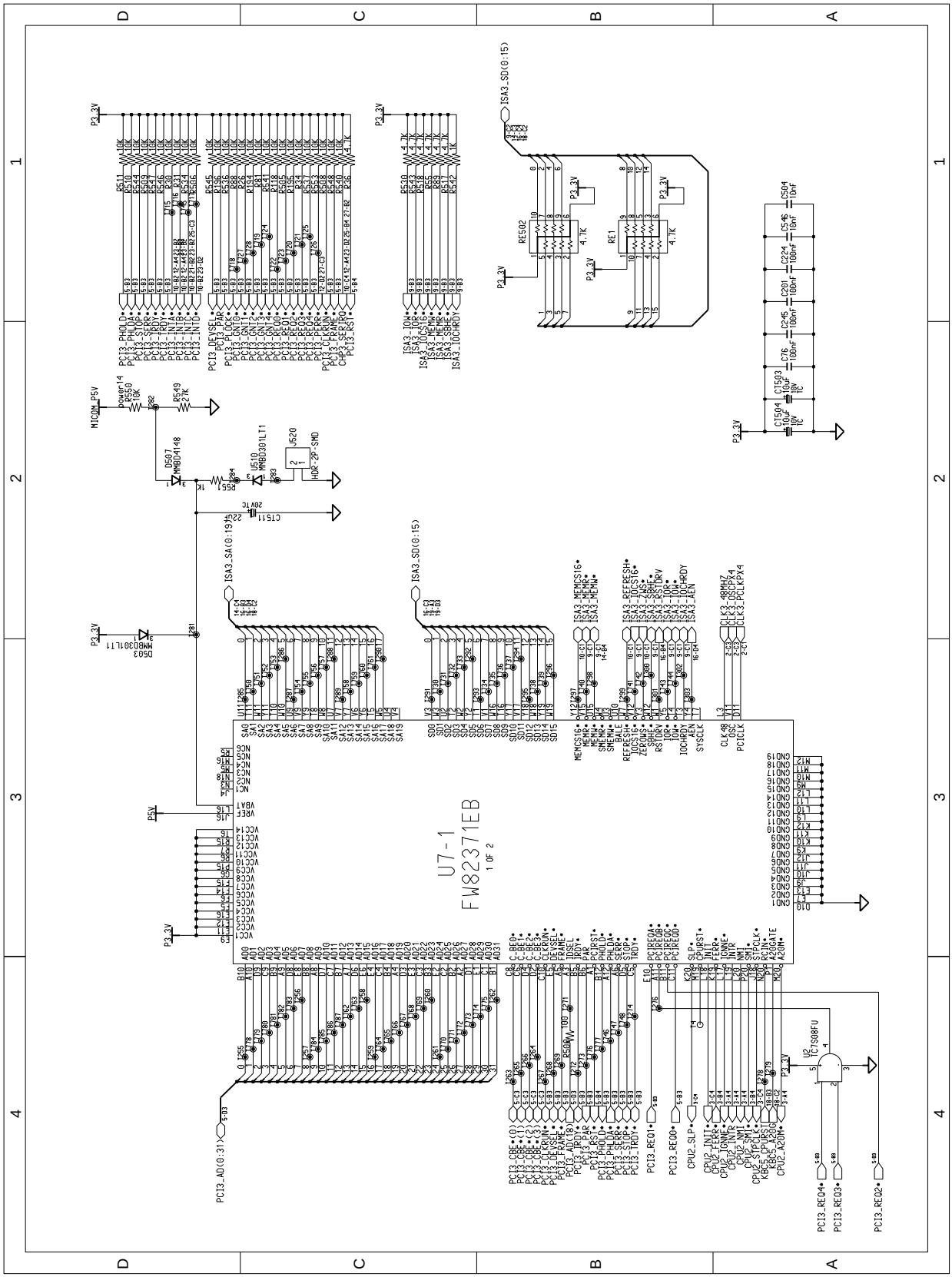
5-1-1(f) Main Board Schematic Sheet 7 of 28(Termination resistor 1)



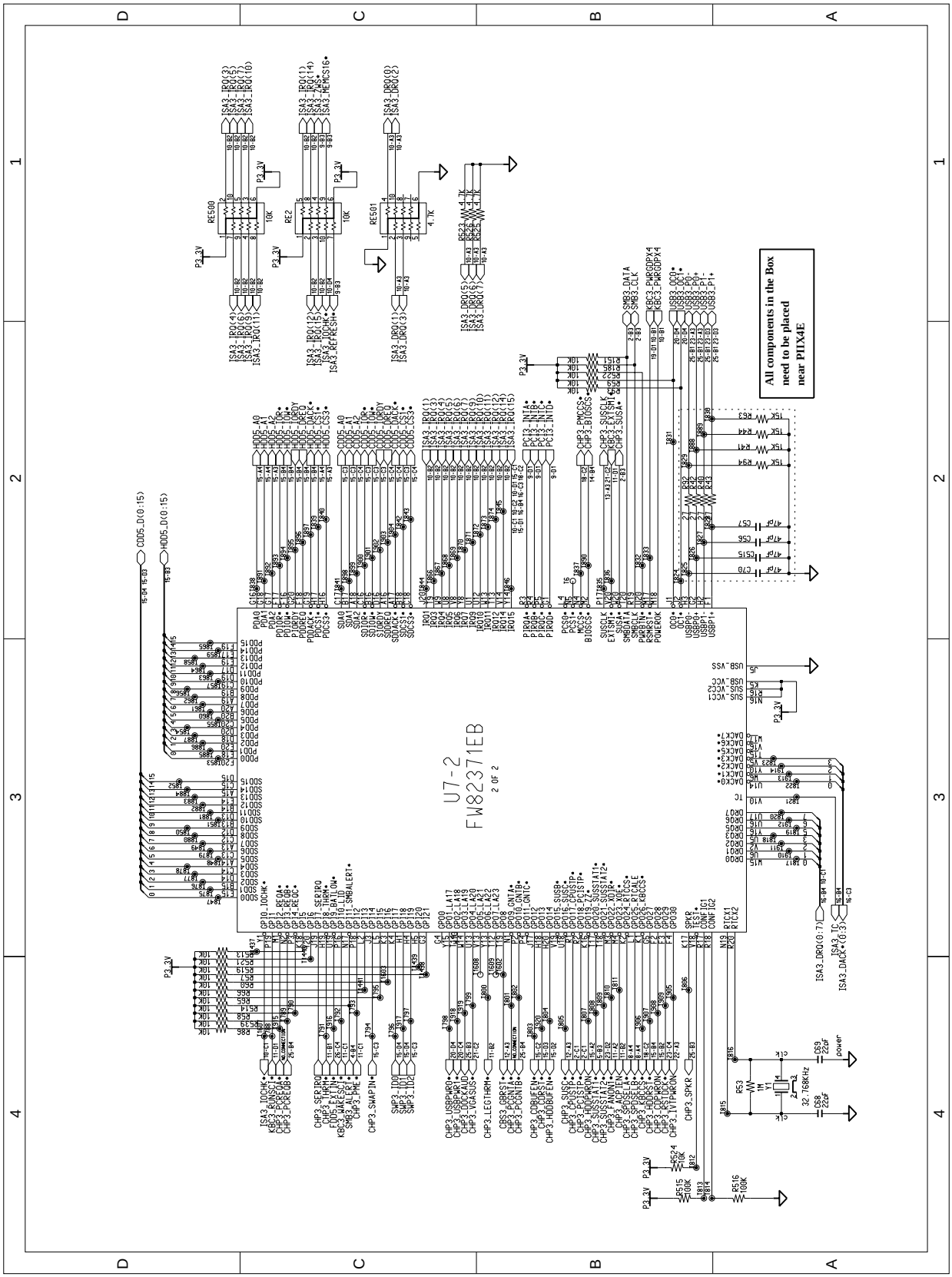
5-1-1(g) Main Board Schematic Sheet 8 of 28(SODIMM)



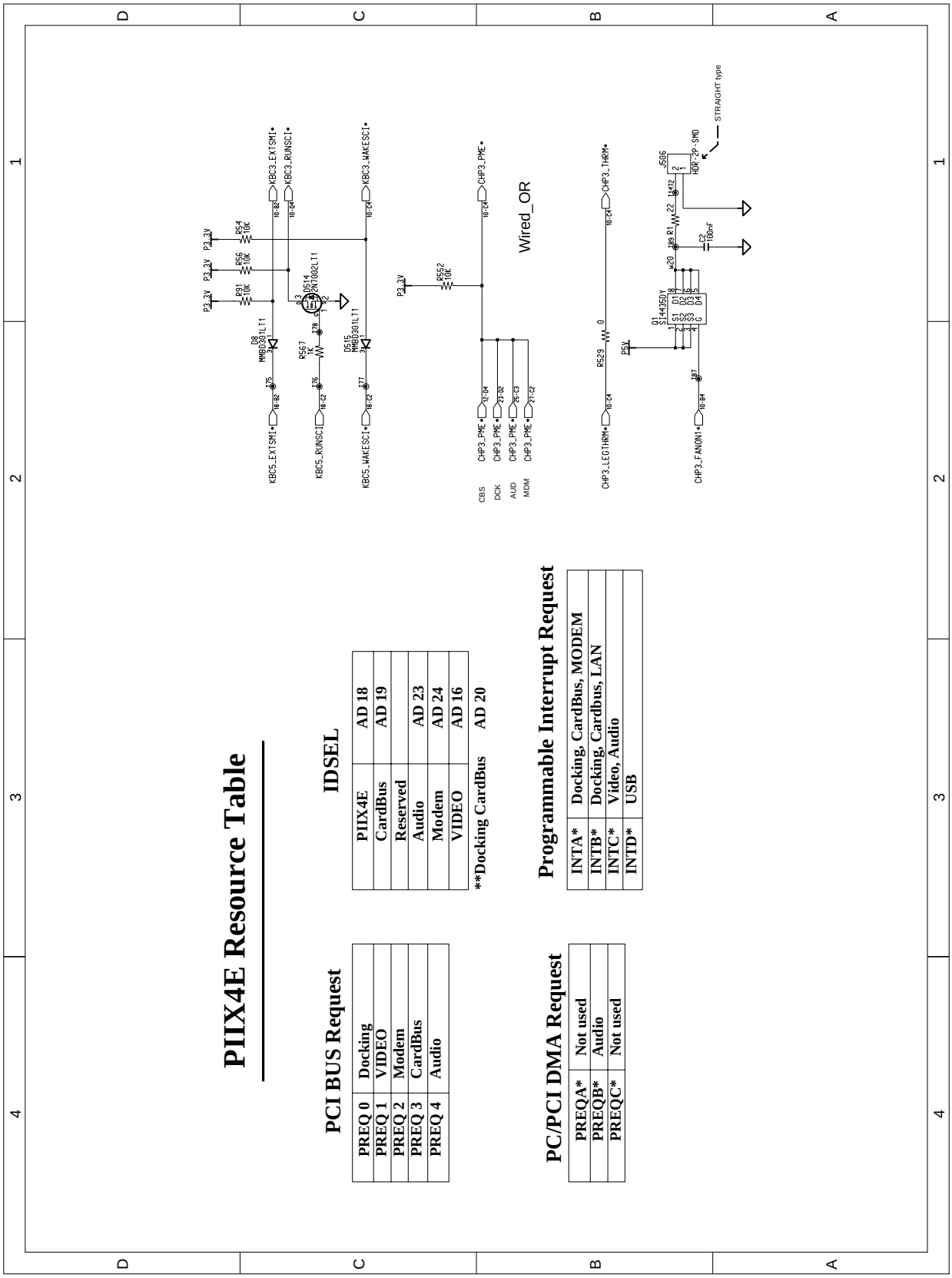
5-1-1(h) Main Board Schematic Sheet 9 of 28(PIIX4E-1)



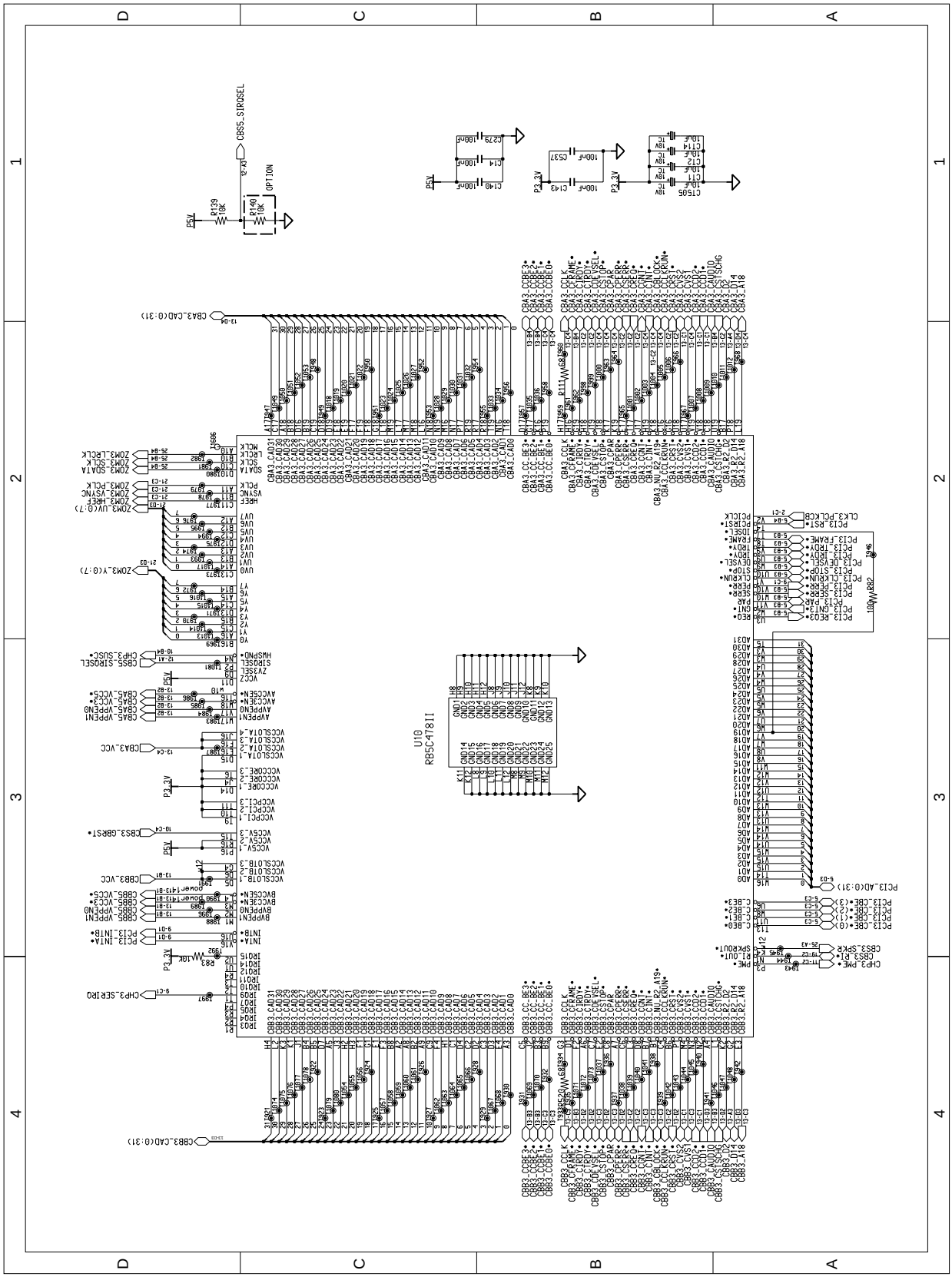
5-1-1(i) Main Board Schematic Sheet 10 of 28(PIIX4E-2)



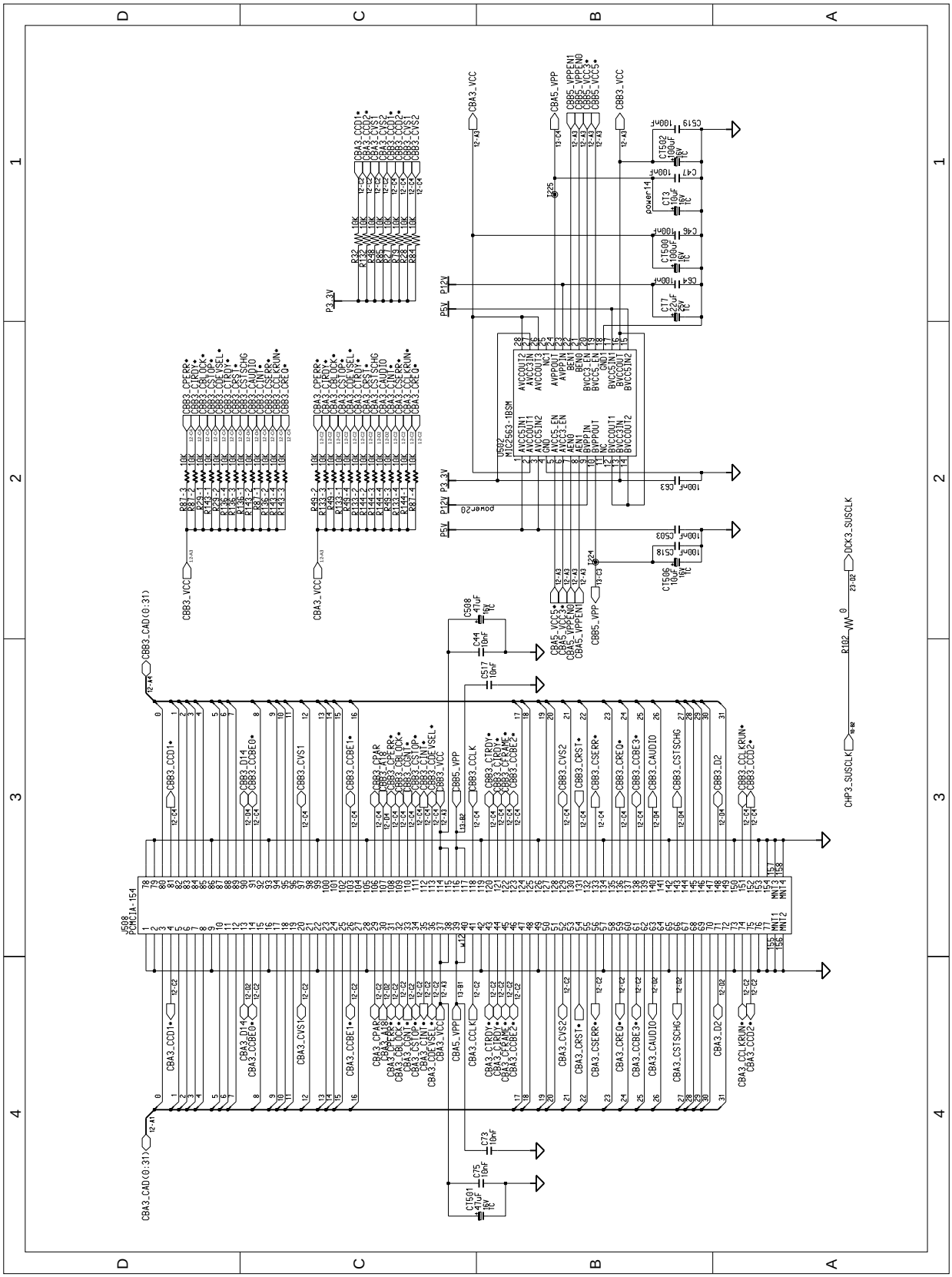
5-1-1(j) Main Board Schematic Sheet 11 of 28(PIIX4E-3)



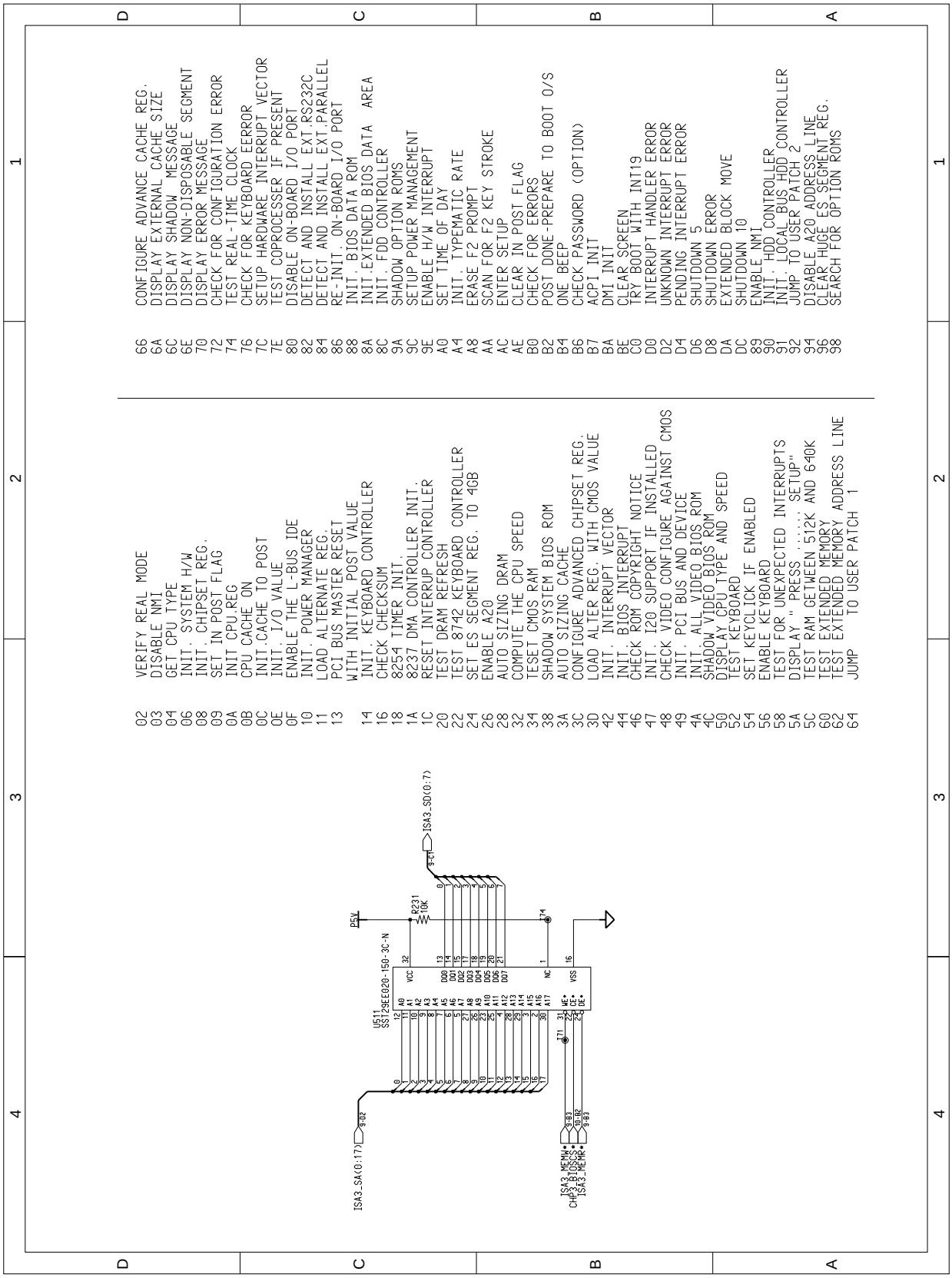
5-1-1(k) Main Board Schematic Sheet 12 of 28(CARD BUS: RB5C478II)



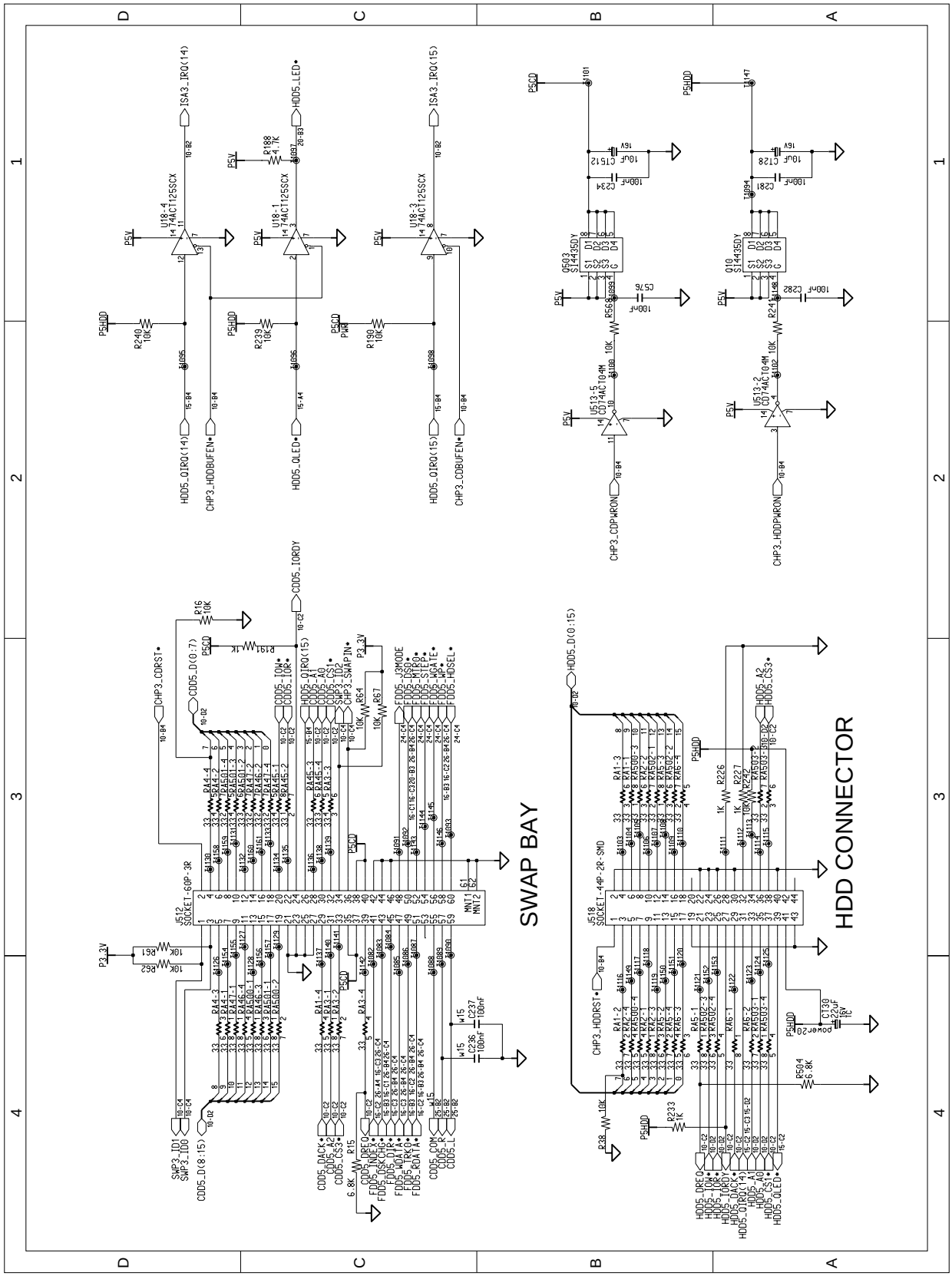
5-1-1(l) Main Board Schematic Sheet 13 of 28(CARD BUS CONNECTOR)



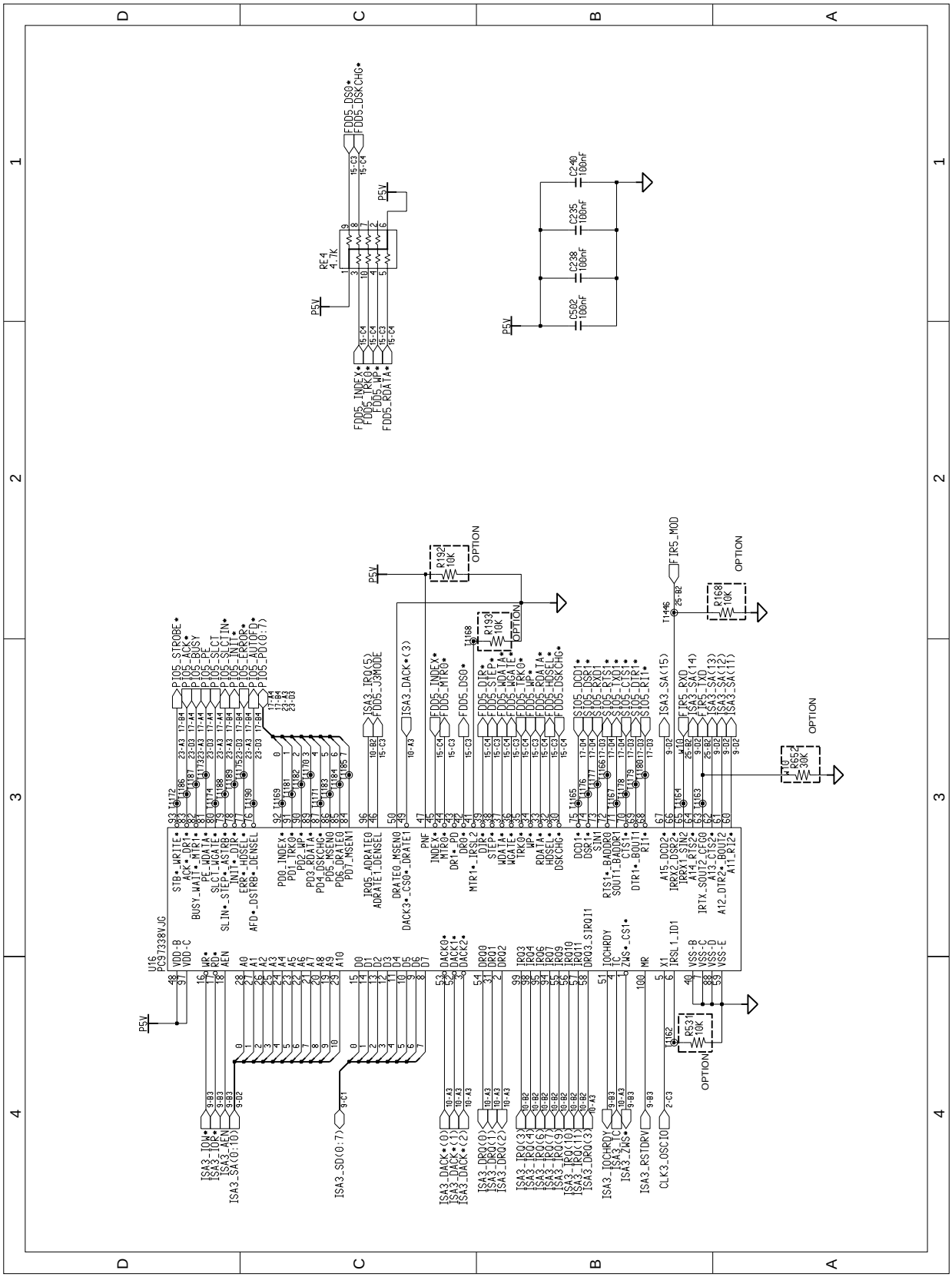
5-1-1(m) Main Board Schematic Sheet 14 of 28(BIOS)


02 VERIFY REAL MODE
03 DISABLE NMI
04 GET CPU TYPE
06 INIT. SYSTEM H/W
08 INIT. CHIPSET REG.
09 SET IN POST FLAG
0A INIT CPU_REG
0B CPU CACHE ON
0C INIT.CACHE TO POST
0E INIT. I/O VALUE
0F ENABLE THE L-BUS IDE
10 INIT. POWER MANAGER
11 LOAD ALTERNATE REG.
13 PCI BUS MASTER RESET
WITH INITIAL POST VALUE
14 INIT. KEYBOARD CONTROLLER
16 CHECK CHECKSUM
18 8254 TIMER INIT.
1A 8237 DMA CONTROLLER INIT.
1C RESET INTERRUP CONTROLLER
20 TEST DRAM REFRESH
22 TEST 8742 KEYBOARD CONTROLLER
24 SET ES SEGMENT REG. TO 4GB
26 ENABLE A20
28 AUTO SIZING DRAM
32 COMPUTE THE CPU SPEED
34 TESET CMOS RAM
38 SHADOW SYSTEM BIOS ROM
3A AUTO SIZING CACHE
3C CONFIGURE ADVANCED CHIPSET REG.
3D LOAD ALTER REG. WITH CMOS VALUE
42 INIT. INTERRUPT VECTOR
44 INIT. BIOS INTERRUPT
46 CHECK ROM COPYRIGHT NOTICE
47 INIT. I20 SUPPORT IF INSTALLED
48 CHECK VIDEO CONFIGURE AGAINST CMOS
49 INIT. PCI BUS AND DEVICE
4A INIT. ALL VIDEO BIOS ROM
4C SHADOW VIDEO BIOS ROM
50 DISPLAY CPU TYPE AND SPEED
52 TEST KEYBOARD
54 SET KEYCLICK IF ENABLED
56 ENABLE KEYBOARD
58 TEST FOR UNEXPECTED INTERRUPTS
5A DISPLAY " PRESS ..... SETUP"
5C TEST RAM GETWEEN 512K AND 640K
60 TEST EXTENDED MEMORY
62 TEST EXTENDED MEMORY ADDRESS LINE
64 JUMP TO USER PATCH 1
66 CONFIGURE ADVANCE CACHE REG.
6A DISPLAY EXTERNAL CACHE SIZE
6C DISPLAY SHADOW MESSAGE
6E DISPLAY NON-DISPOSABLE SEGMENT
70 DISPLAY ERROR MESSAGE
72 CHECK FOR CONFIGURATION ERROR
74 TEST REAL-TIME CLOCK
76 CHECK FOR KEYBOARD EERROR
7C SETUP HARDWARE INTERRUPT VECTOR
7E TEST COPROCESSER IF PRESENT
80 DISABLE ON-BOARD I/O PORT
82 DETECT AND INSTALL EXT.RS232C
84 DETECT AND INSTALL EXT.PARALLEL
86 RE-INIT. ON-BOARD I/O PORT
88 INIT. BIOS DATA ROM
8A INIT.EXTENDED BIOS DATA AREA
8C INIT. FDD CONTROLLER
9A SHADOW OPTION ROMS
9C SETUP POWER MANAGEMENT
9E ENABLE H/W INTERRUPT
A0 SET TIME OF DAY
A4 INIT. TYPEMATIC RATE
A8 ERASE F2 PROMPT
AA SCAN FOR F2 KEY STROKE
AC ENTER SETUP
AE CLEAR IN POST FLAG
B0 CHECK FOR ERRORS
B2 POST DONE-PREPARE TO BOOT O/S
B4 ONE BEEP
B6 CHECK PASSWORD (OPTION)
B7 ACPI INIT
BA DMI INIT
BE CLEAR SCREEN
C0 TRY BOOT WITH INT19
D0 INTERRUPT HANDLER ERROR
D2 UNKNOWN INTERRUPT ERROR
D4 PENDING INTERRUPT ERROR
D6 SHUTDOWN 5
D8 SHUTDOWN ERROR
DA EXTENDED BLOCK MOVE
DC SHUTDOWN 10
89 ENABLE NMI
90 INIT. HDD CONTROLLER
91 INIT. LOCAL BUS HDD CONTROLLER
92 JUMP TO USER PATCH 2
94 DISABLE A20 ADDRESS LINE
96 CLEAR HUGE ES SEGMENT REG.
98 SEARCH FOR OPTION ROMS
U511
SST29EE020-150-3C-N
R231
10K
ISA3_SA(0:17)
ISA3_SD(0:7)
ISA3_MEMW#
CHP2_BIOSCS#
ISA3_MEMR#

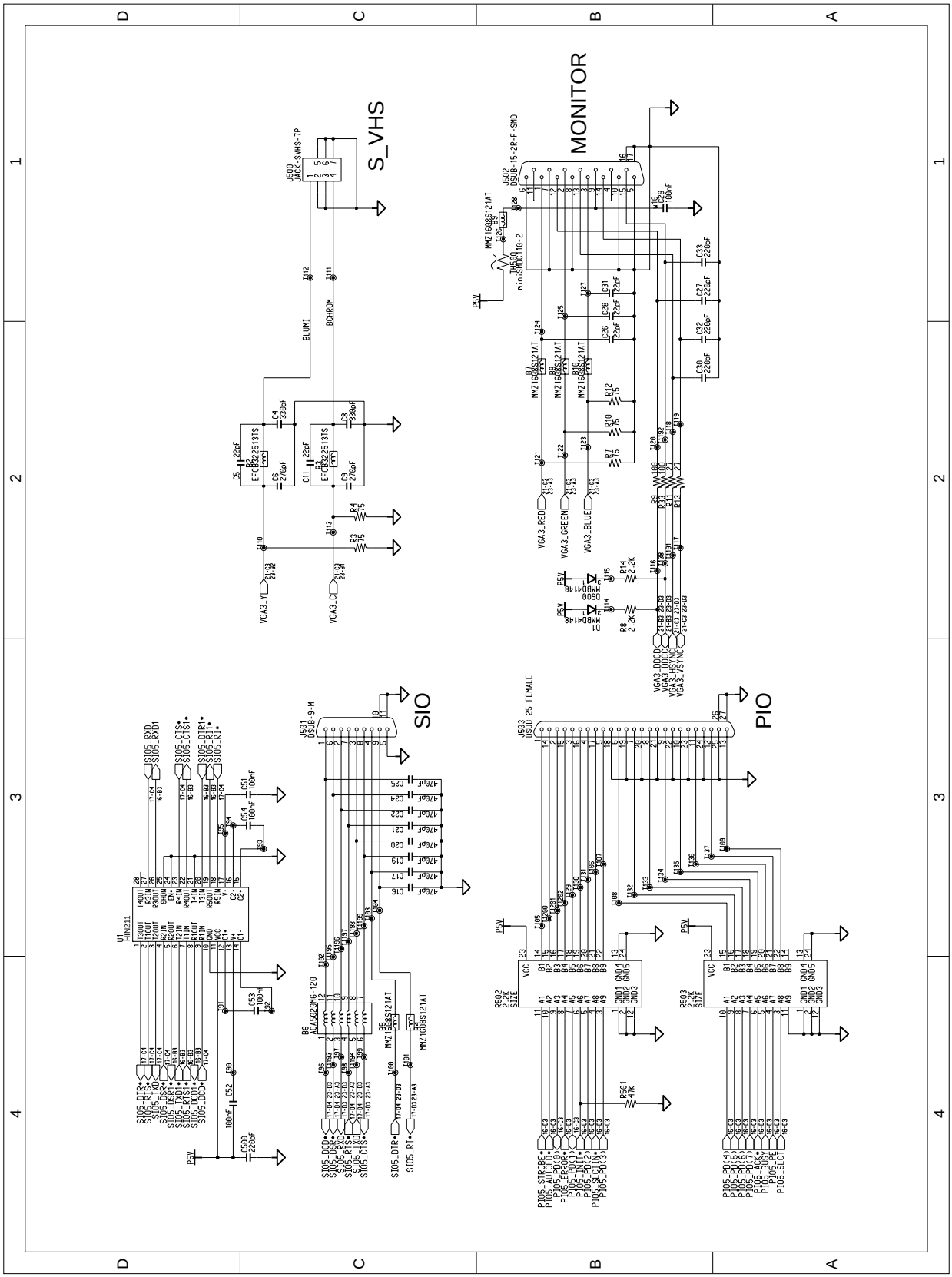
5-1-1(n) Main Board Schematic Sheet 15 of 28(HDD CONNECTOR & SWAP BAY)



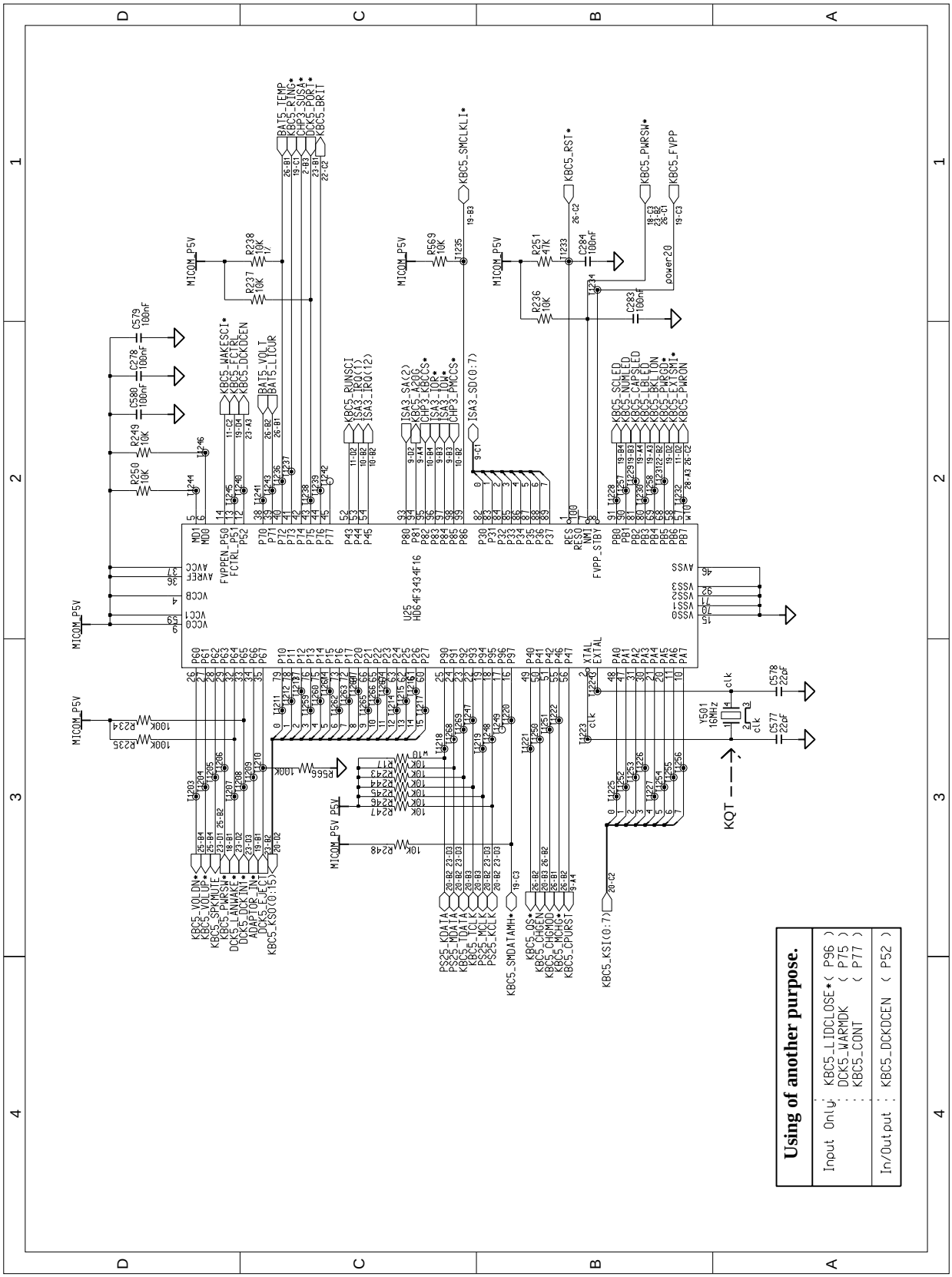
5-1-1(o) Main Board Schematic Sheet 16 of 28(SUPER IO)



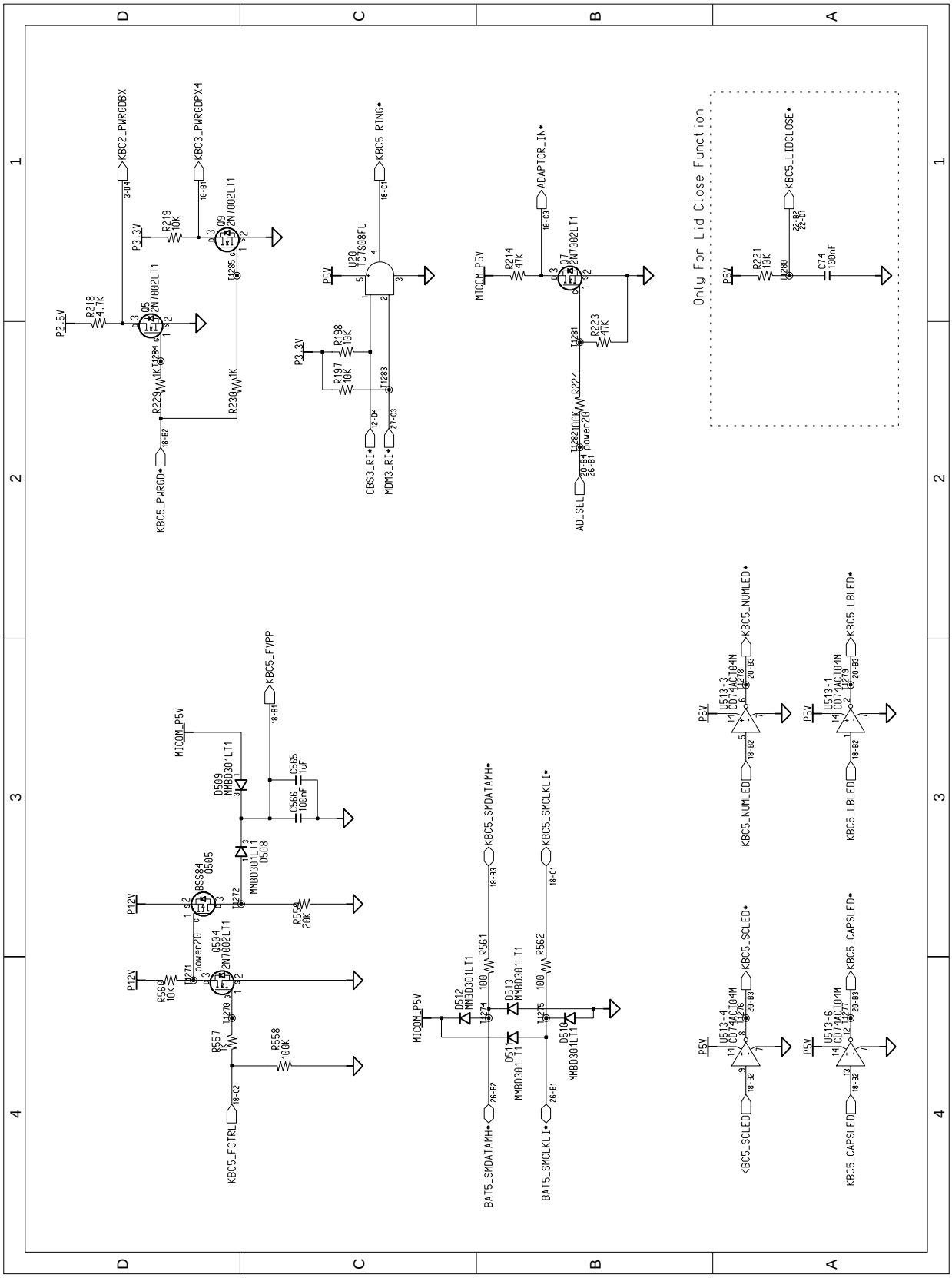
5-1-1(p) Main Board Schematic Sheet 17 of 28(PIO, SIO, CRT, S_VHS PORT)



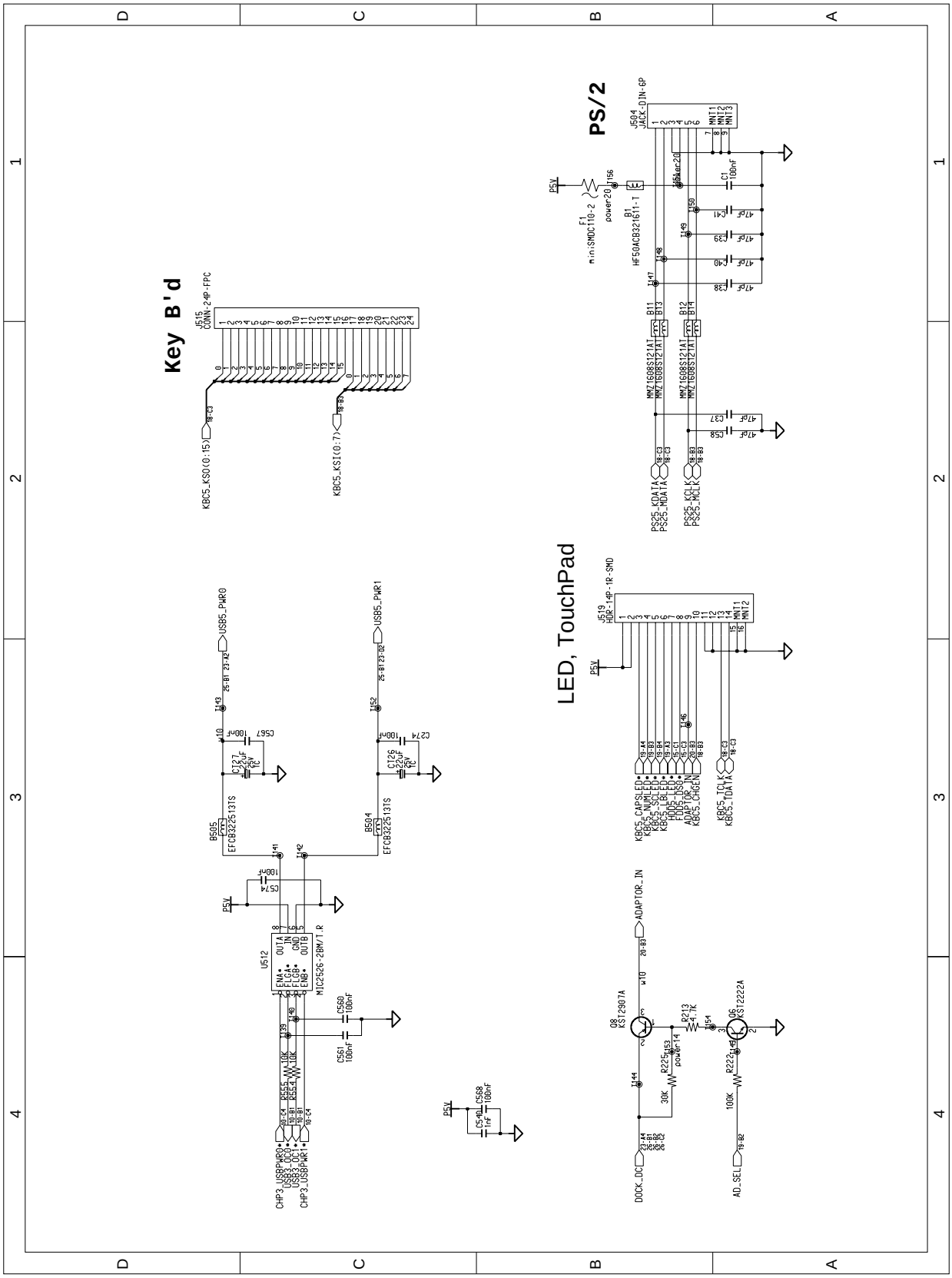
5-1-1(q) Main Board Schematic Sheet 18 of 28(MICOM 1)



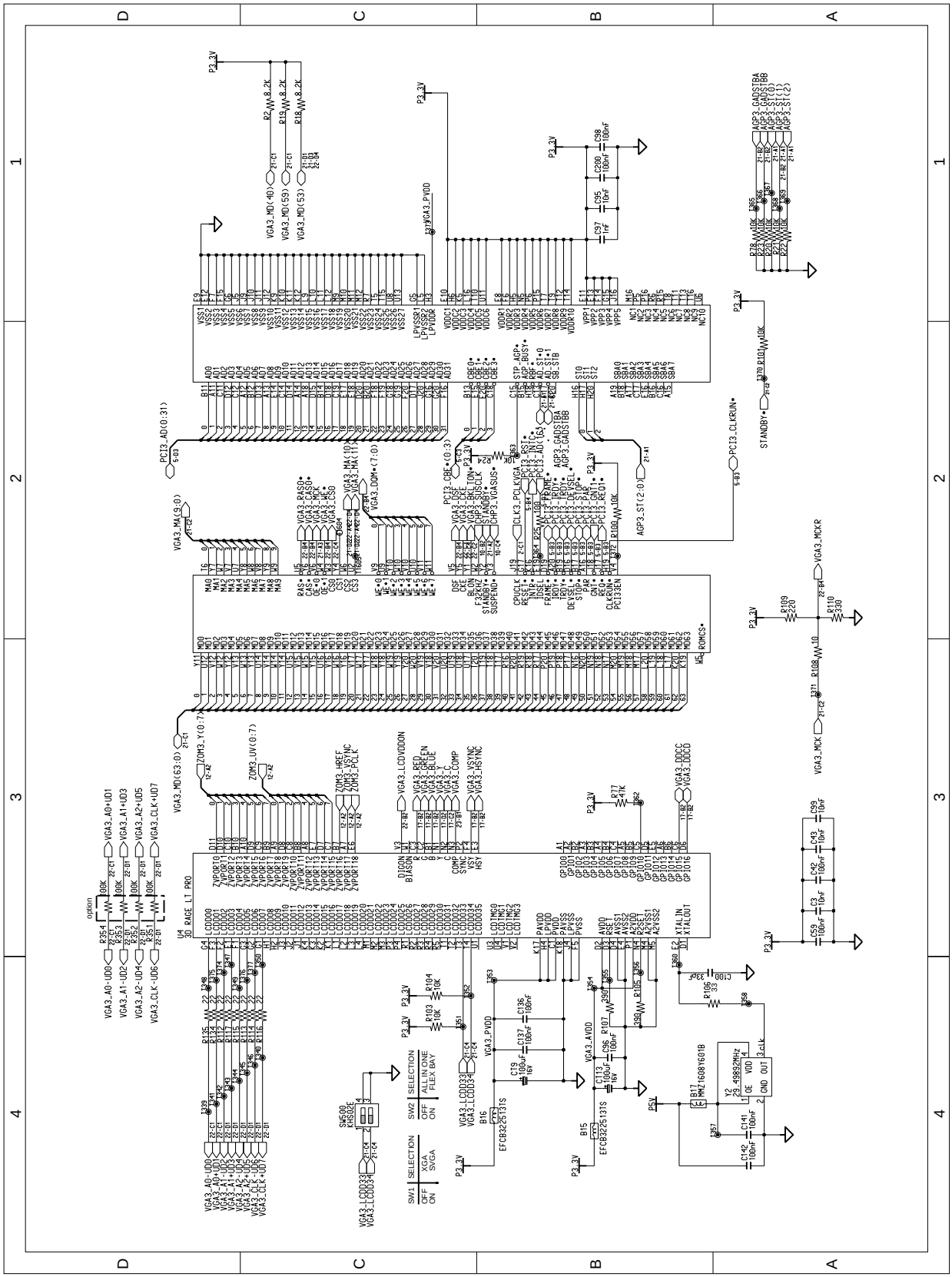
5-1-1(u) Main Board Schematic Sheet 19 of 28(MICOM 2)



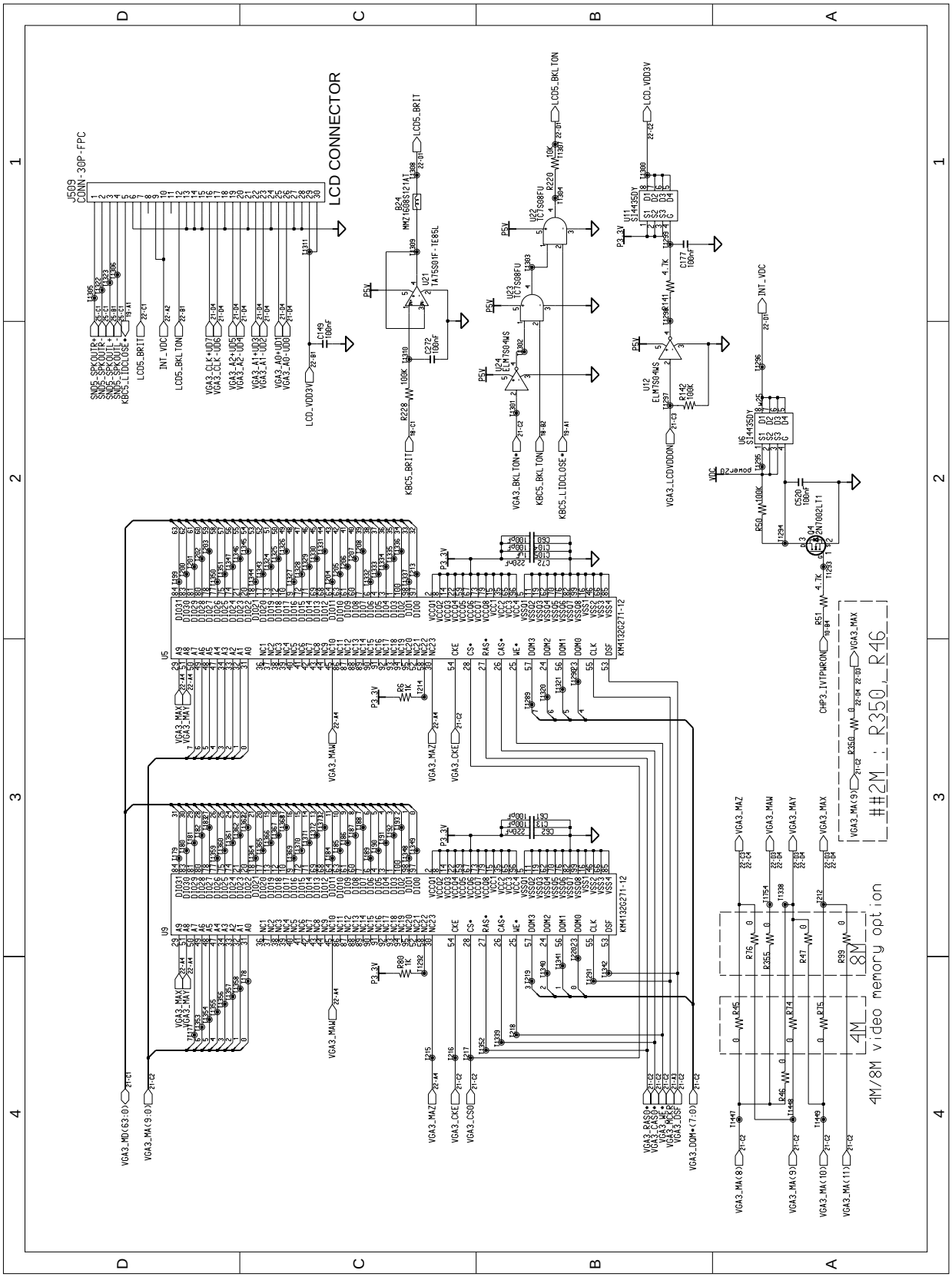
5-1-1(r) Main Board Schematic Sheet 20 of 28(USB, IR, Touchpad & Keyboard)



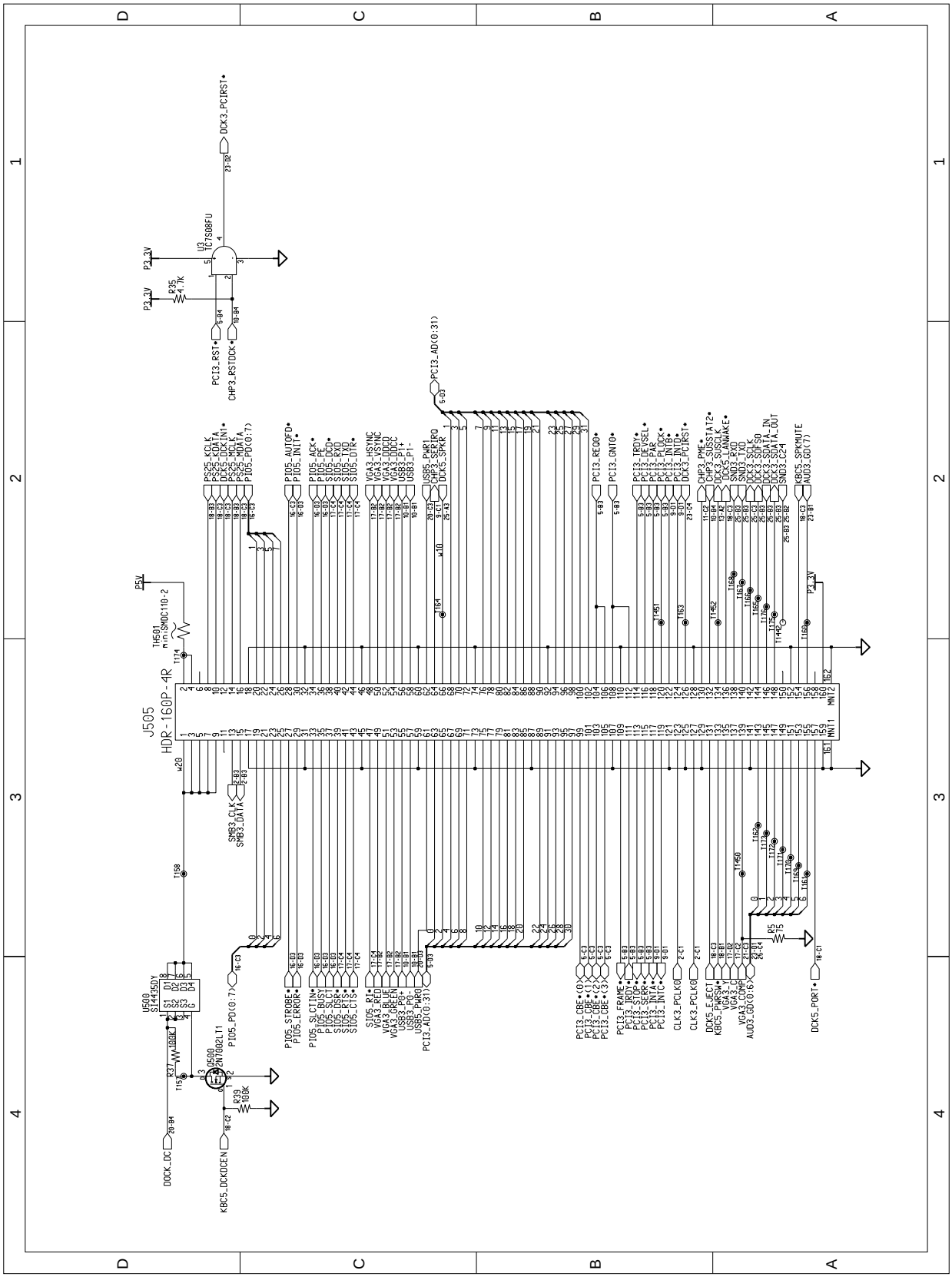
5-1-1(s) Main Board Schematic Sheet 21 of 28(Video Controller[ATI])



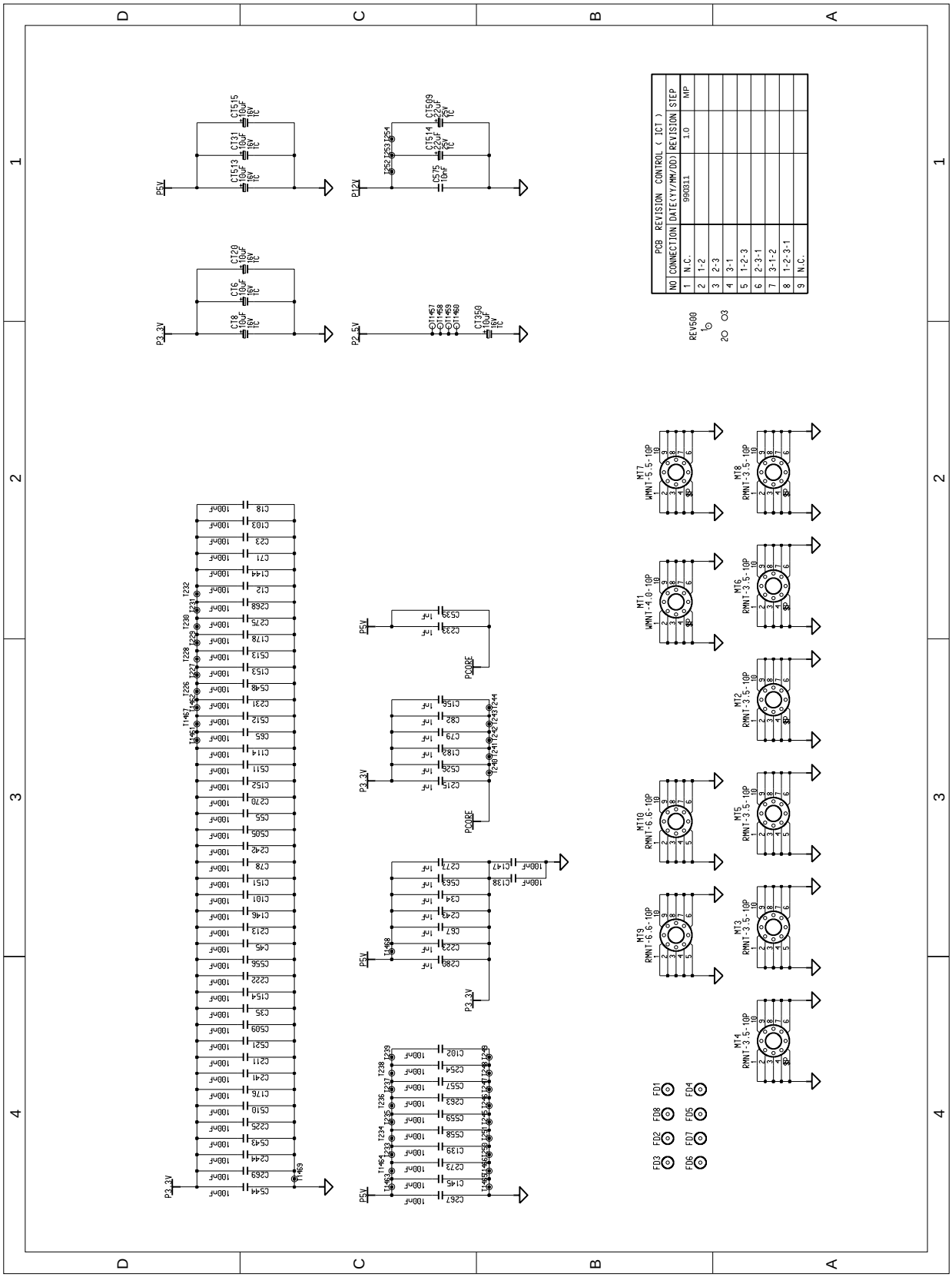
5-1-1(t) Main Board Schematic Sheet 22 of 28(SGRAM)



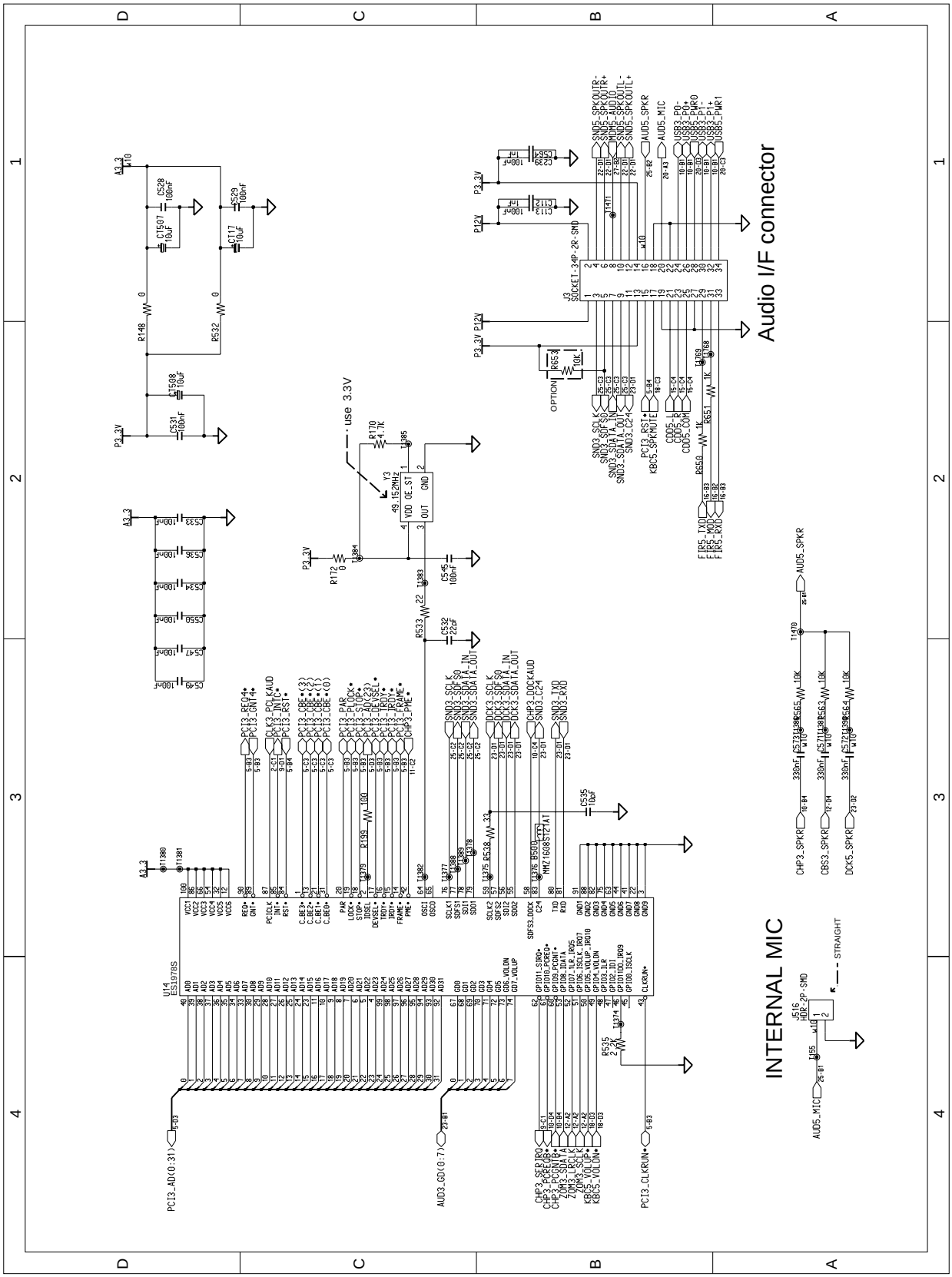
5-1-1(u) Main Board Schematic Sheet 23 of 28(DOCKING)



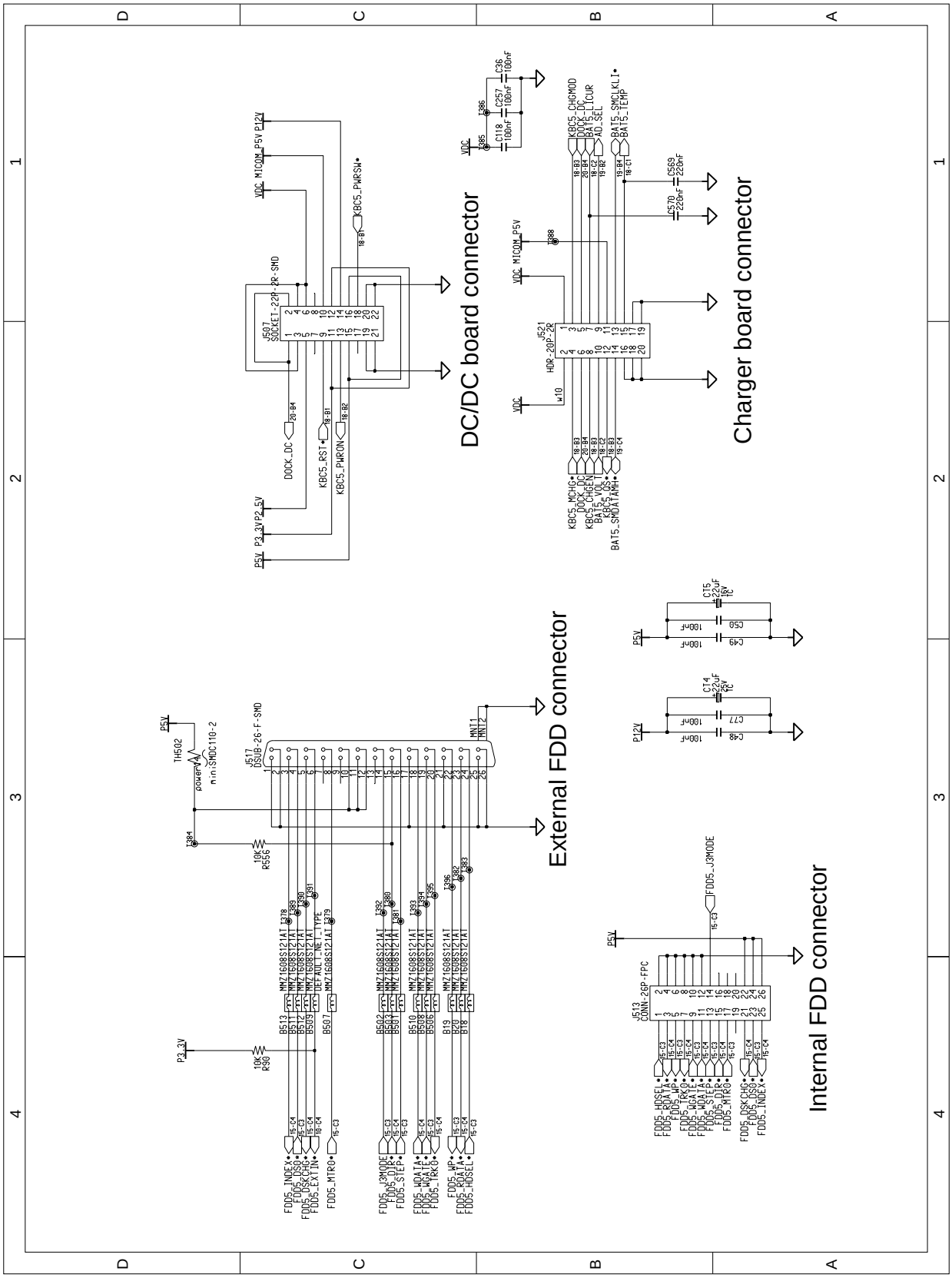
5-1-1(v) Main Board Schematic Sheet 24 of 28(Mounting Hole & CAP)



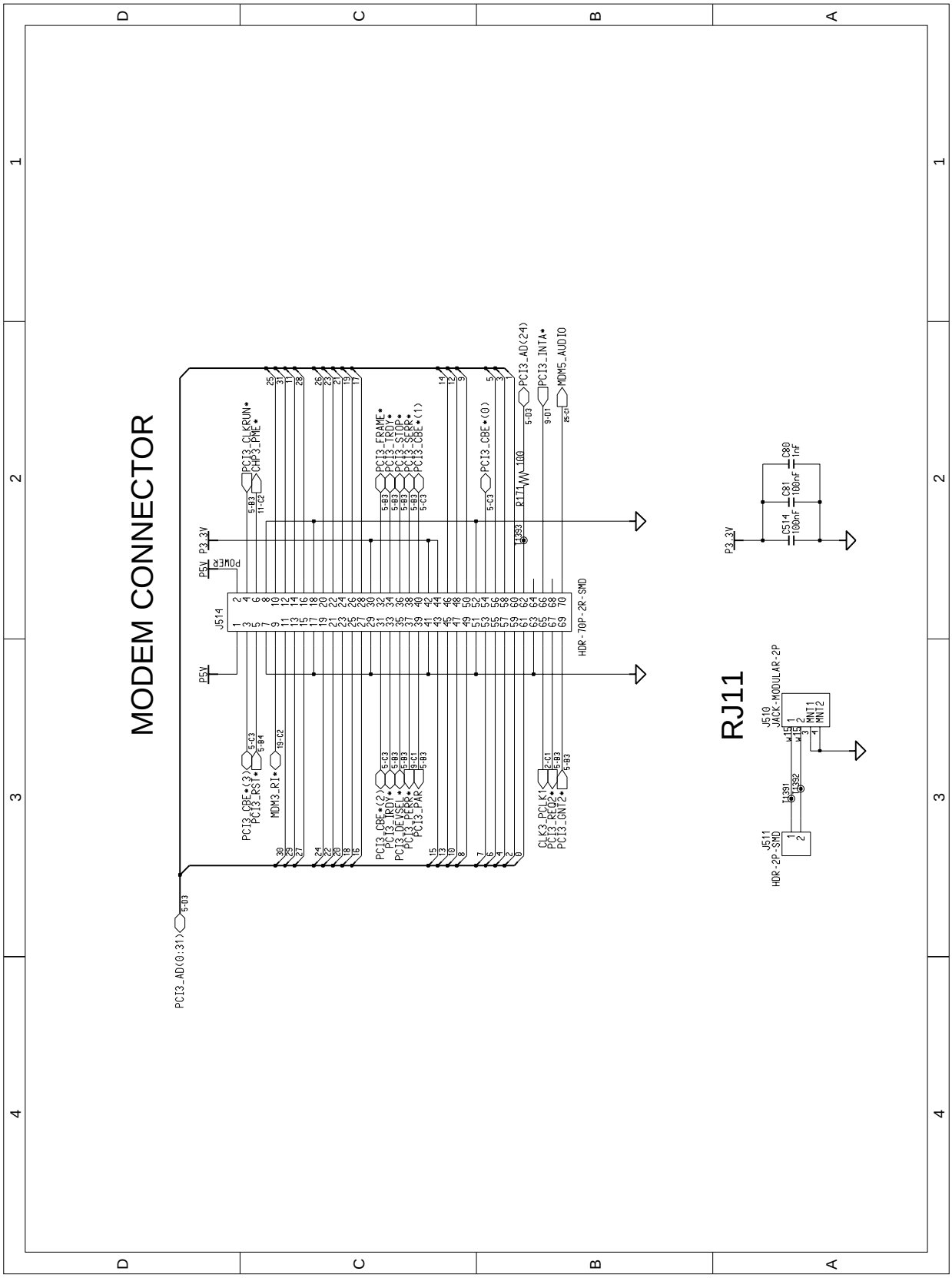
5-1-1(w) Main Board Schematic Sheet 25 of 28(AUDIO Chip & IRDA I/F)



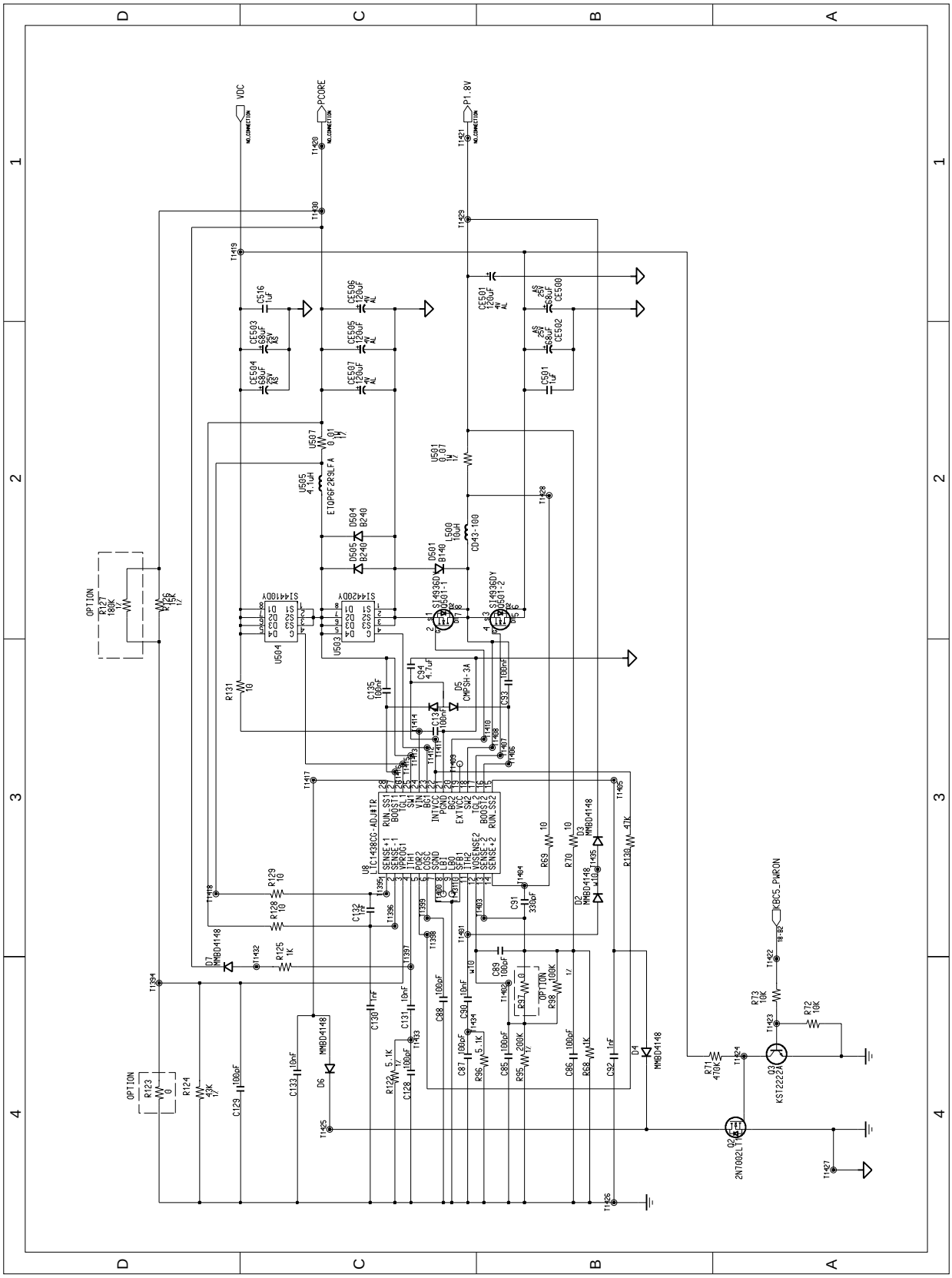
5-1-1(x) Main Board Schematic Sheet 26 of 28(POWER & FDDs CONNECTER)



5-1-1(y) Main Board Schematic Sheet 27 of 28(Modem Connector)



5-1-1(z) Main Board Schematic Sheet 28 of 28(CPU_POWER)



5-2 Audio Board

5-2-1 Schematic Diagrams

Table of Contents

1. Cover --(sheet29)
2. USB JACK & FIR --(sheet30)
3. AUDIO CODEC --(sheet31)
4. MIC JACK & LINE IN JACK --(sheet32)
5. TEST POINT --(sheet33)

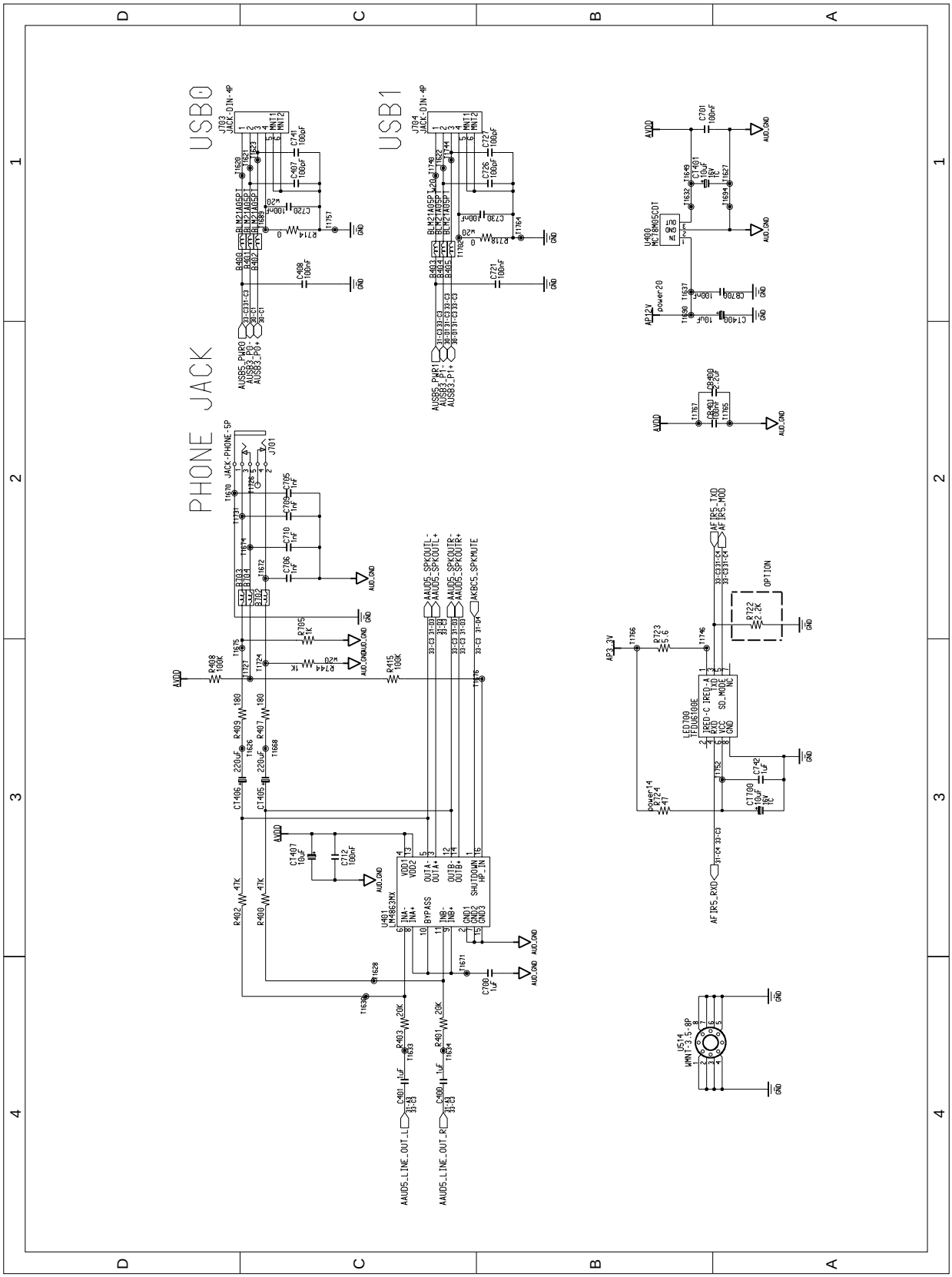
SONIC AUDIO

CPU :
Chip Set :
Remarks :

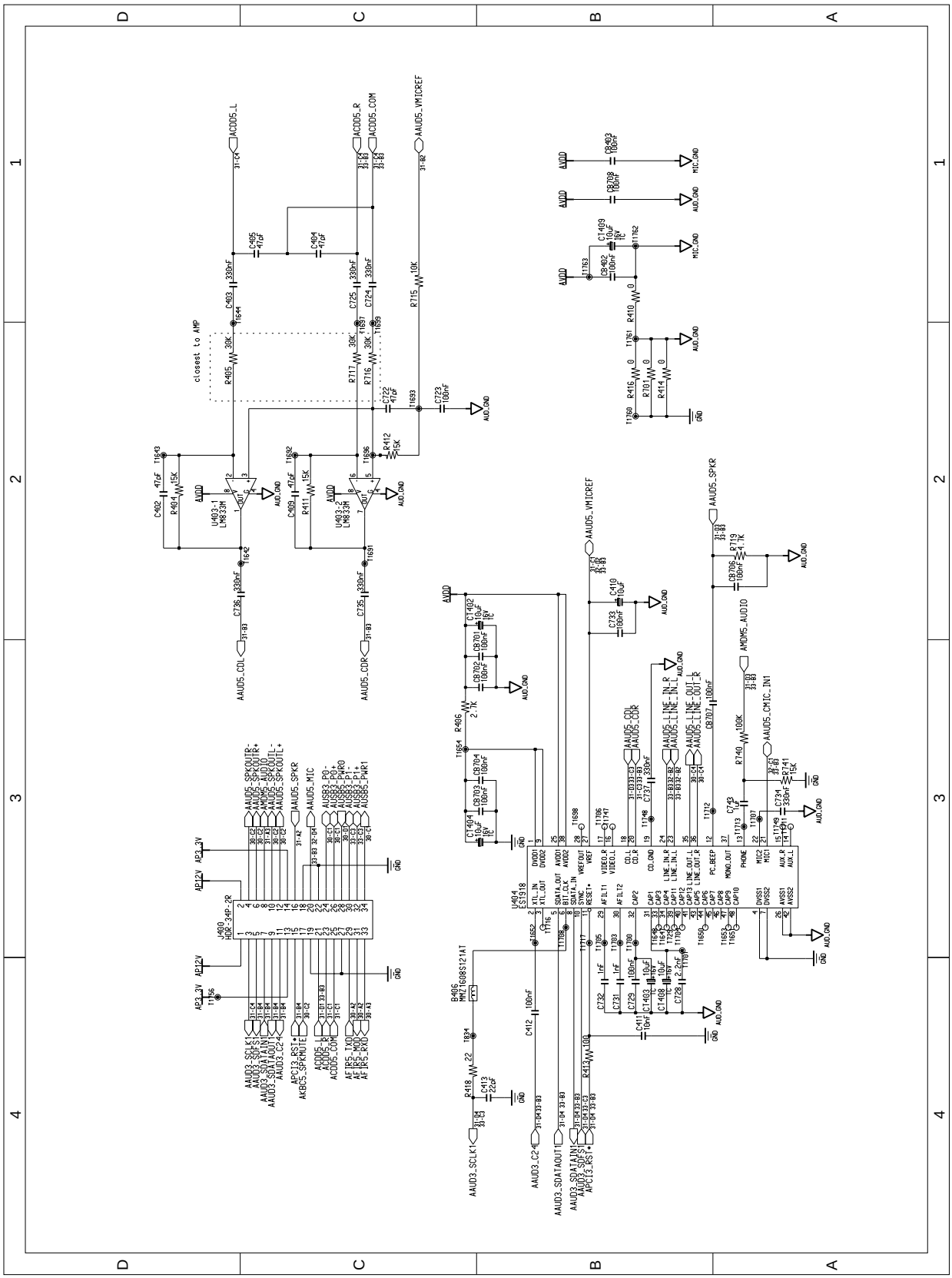
Model Name :	S630/S670
PBA Name :	
Ass'y Code :	BA93-10071Y
Dev. Step :	MP
Revision :	1.0
T.R. Date :	1999.03.11.

DRAW	CHECK	APPROVAL	

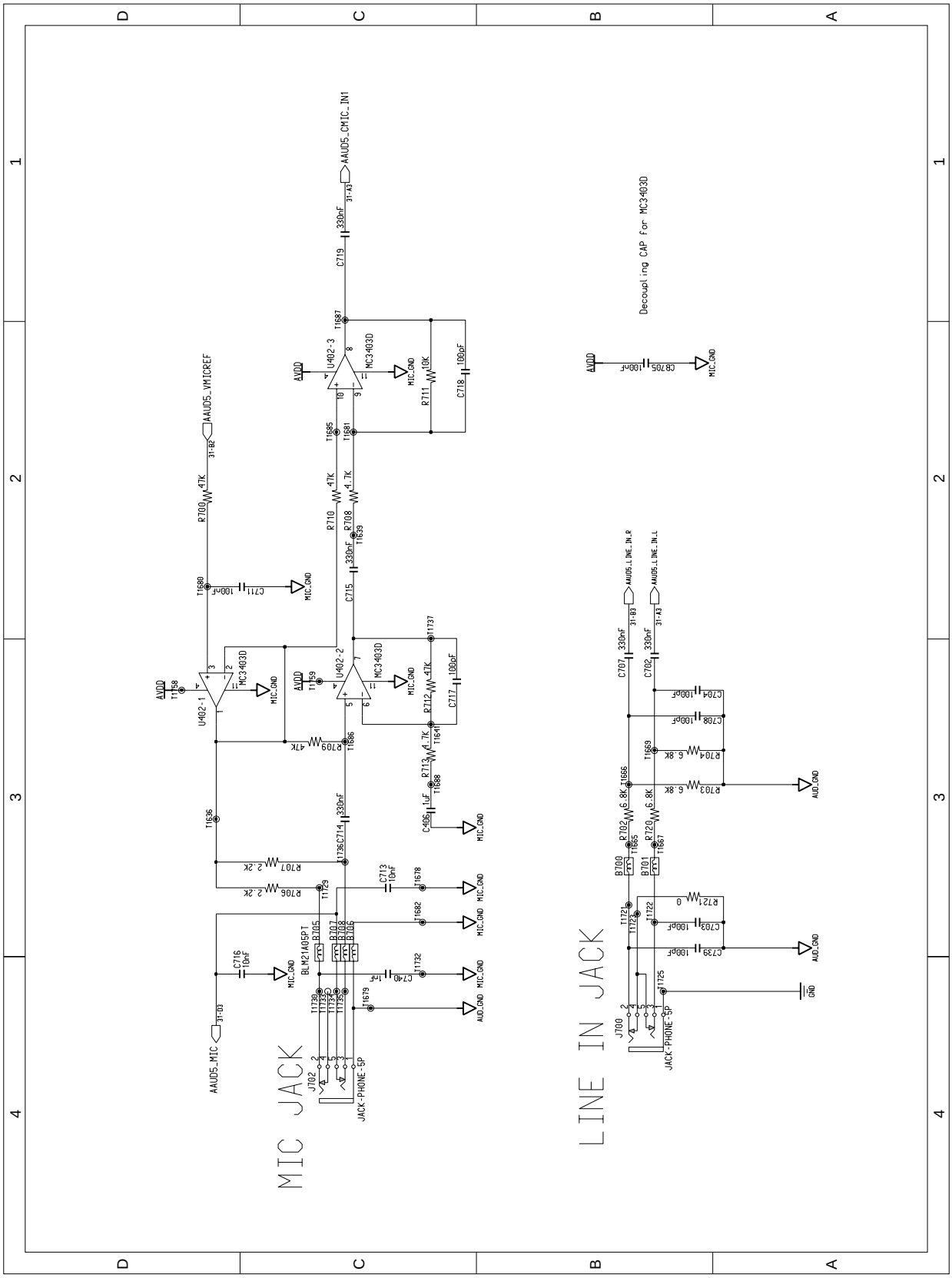
5-2-1(a) Audio Board Schematic Sheet 2 of 5(USB JACK & FIR)



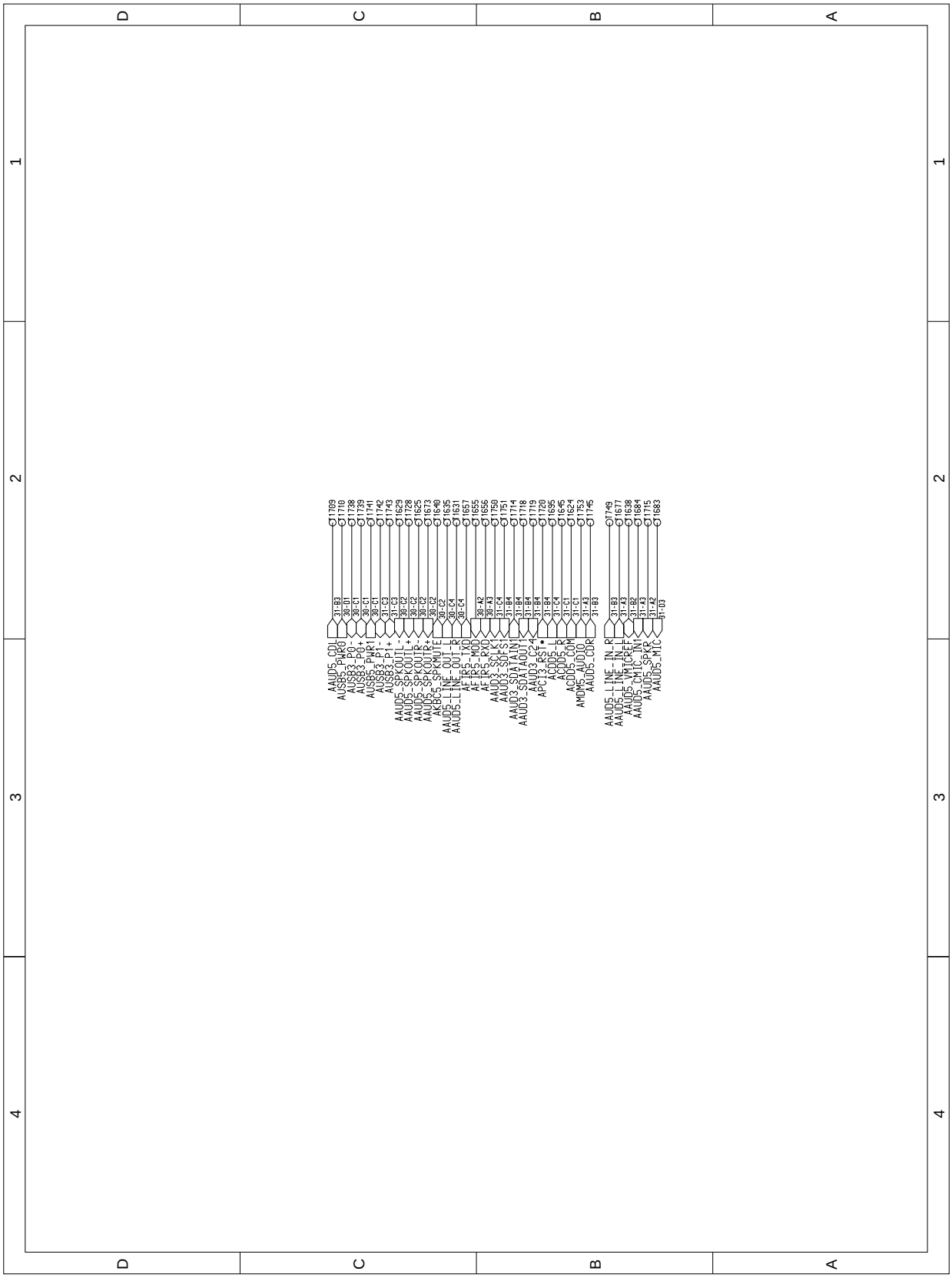
5-2-1(b) Audio Board Schematic Sheet 3 of 5(AUDIO CODEC)



5-2-1(c) Audio Board Schematic Sheet 4 of 5(MIC JACK & LINE IN JACK)

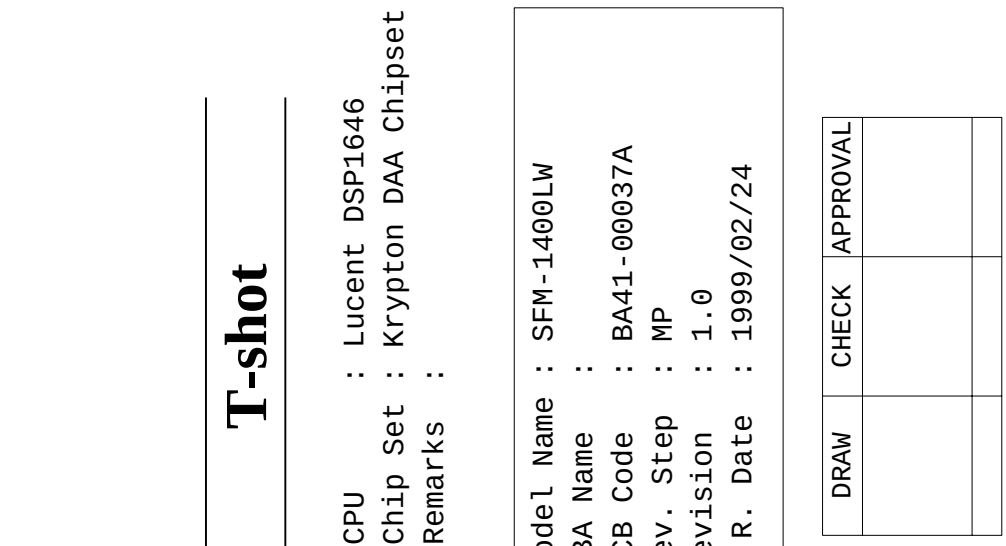


5-2-1(d) Audio Board Schematic Sheet 5 of 5(TEST POINT)

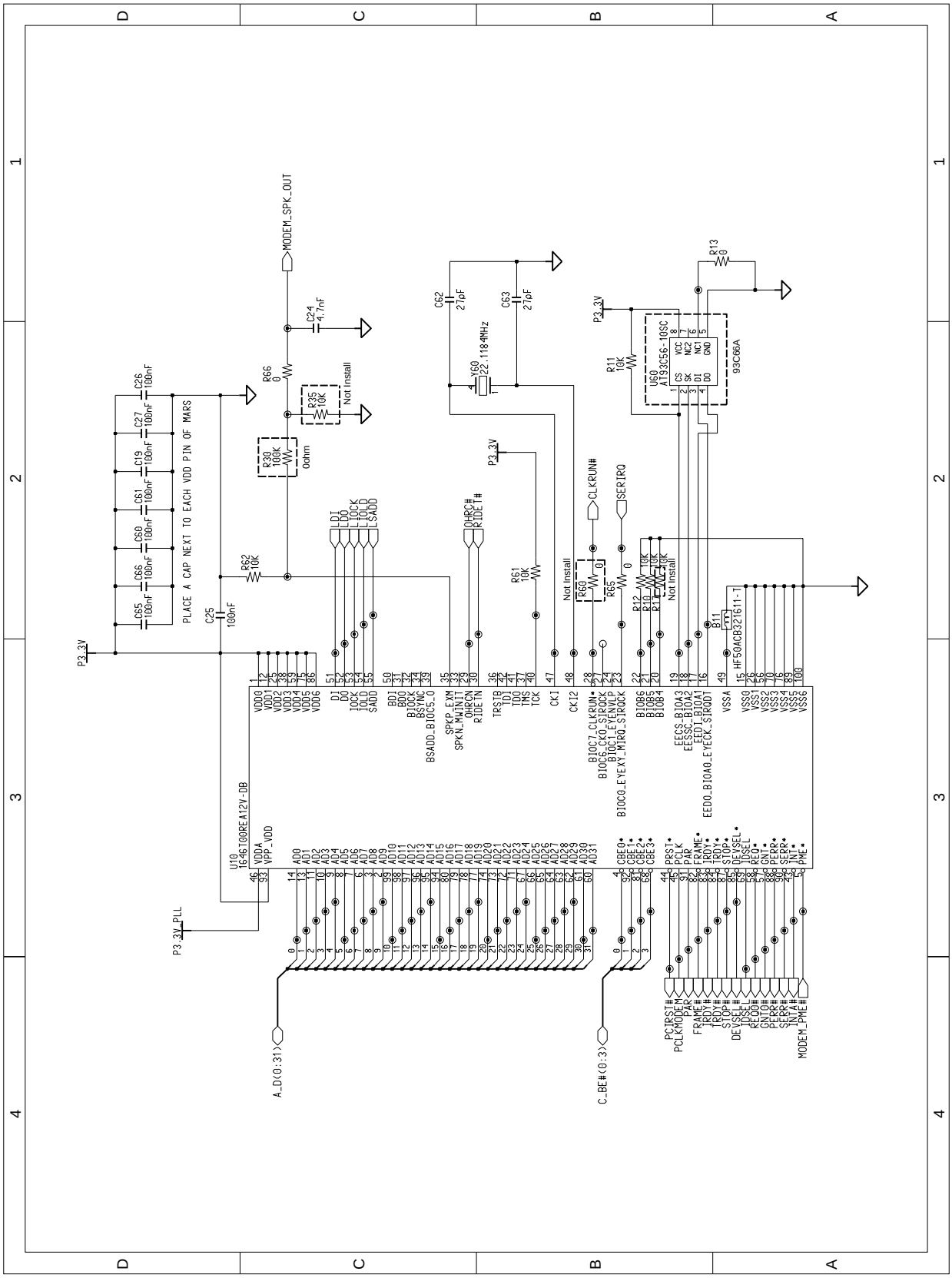


5-3 Modem Board

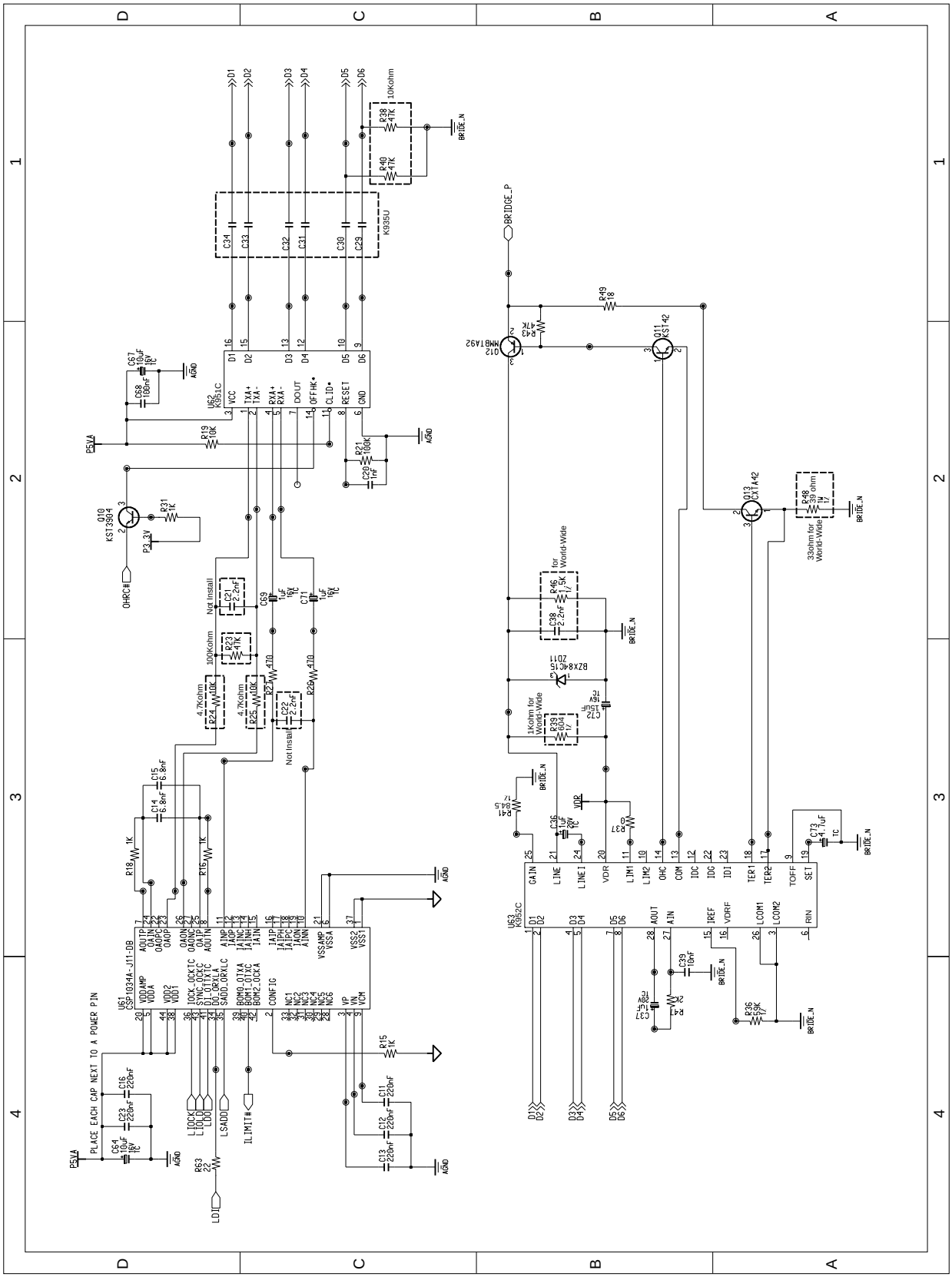
5-3-1 Schematic Diagrams



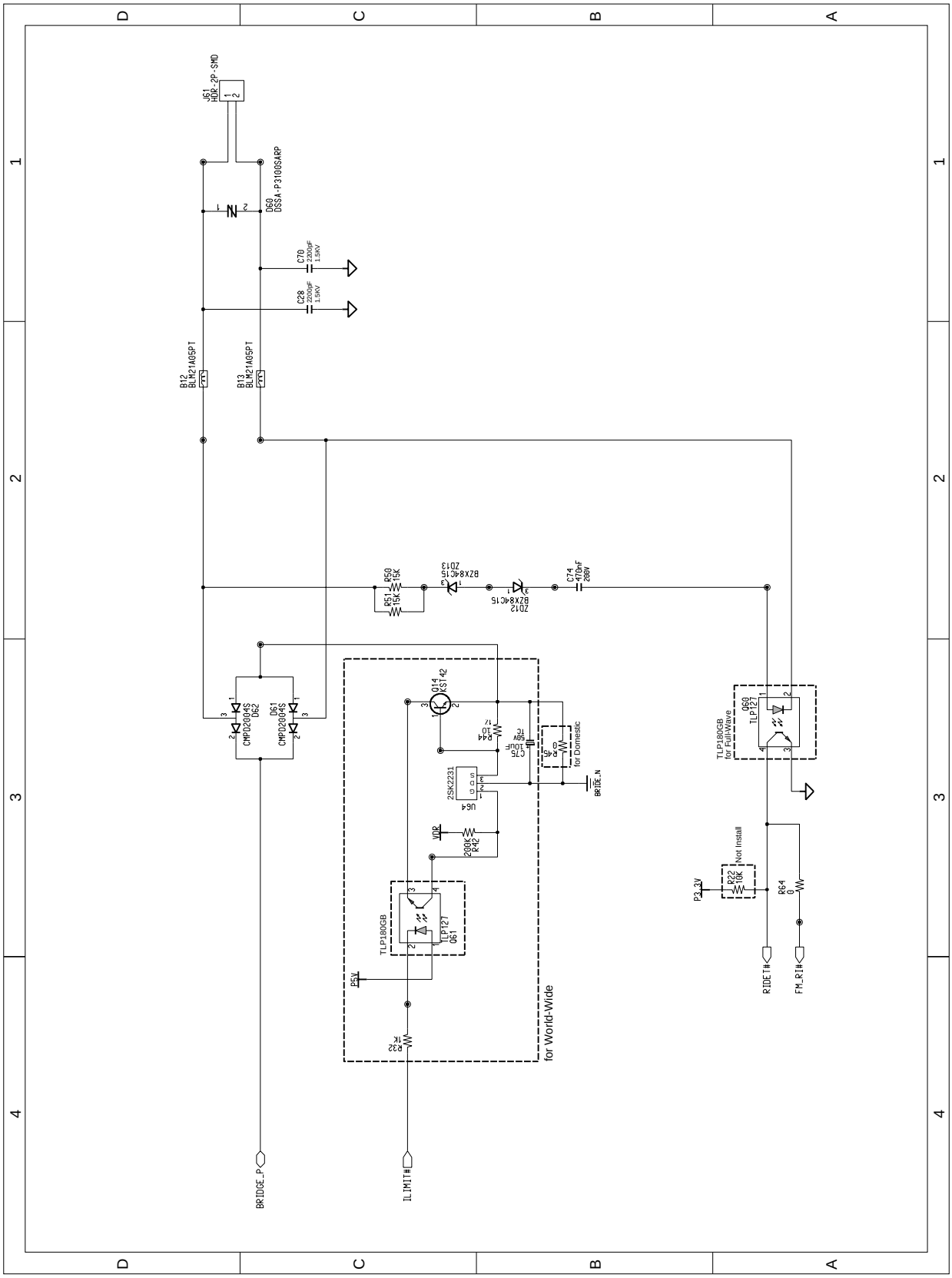
5-3-1(a) Modem Board Schematic Sheet 2 of 5(USB JACK & FIR)



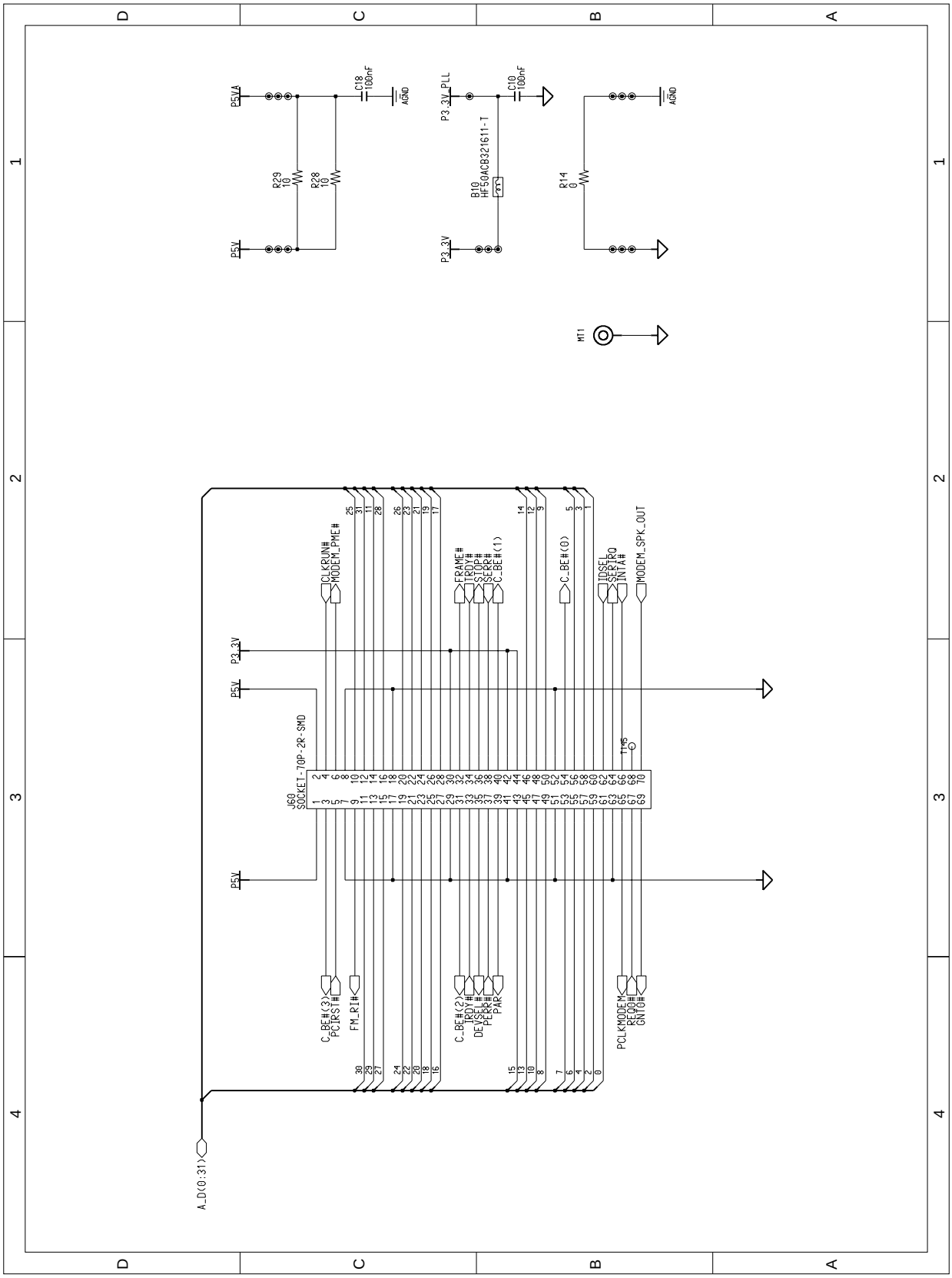
5-3-1(b) Modem Board Schematic Sheet 3 of 5(USB JACK & FIR)



5-3-1(c) Modem Board Schematic Sheet 4 of 5(USB JACK & FIR)

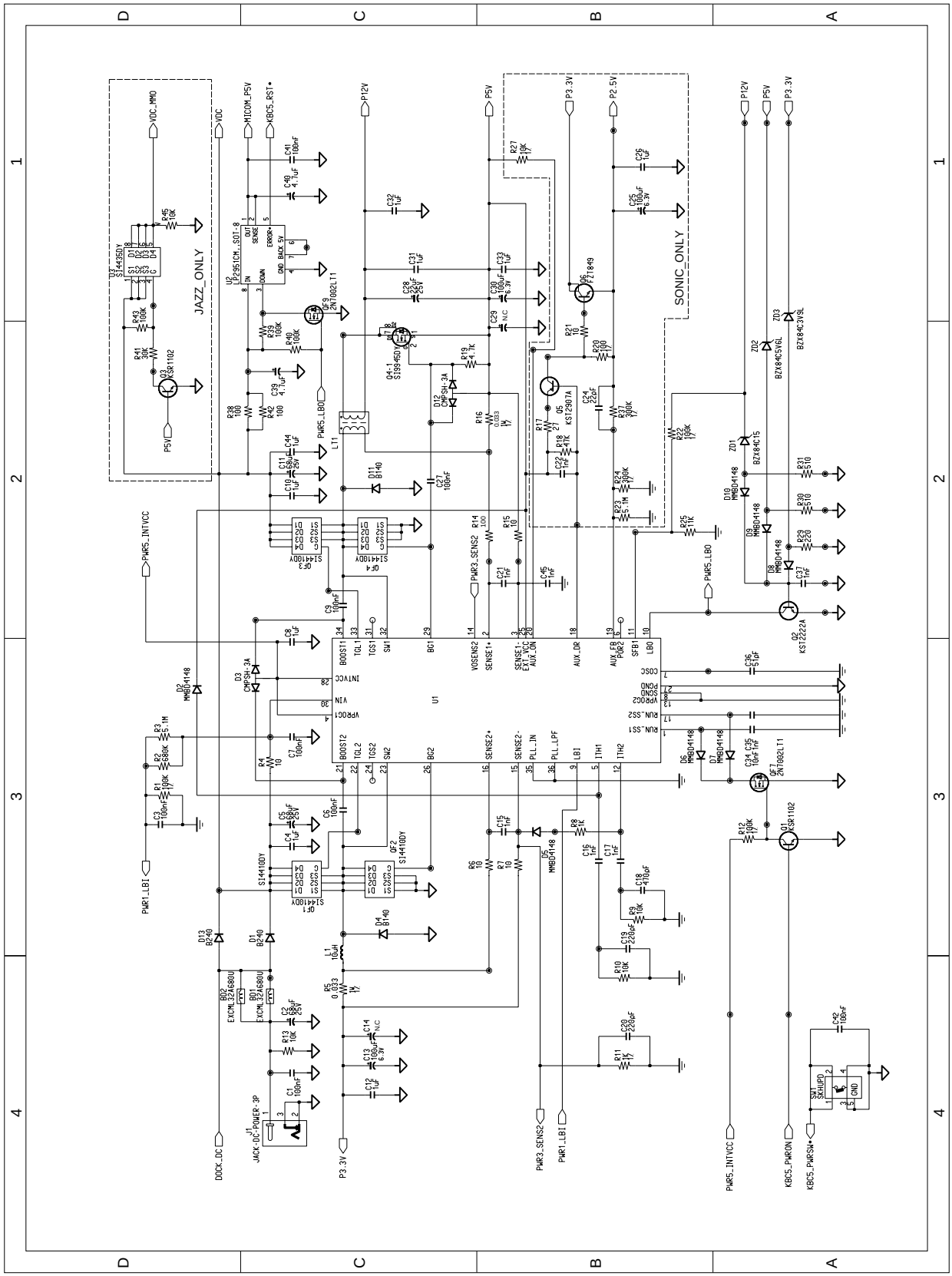


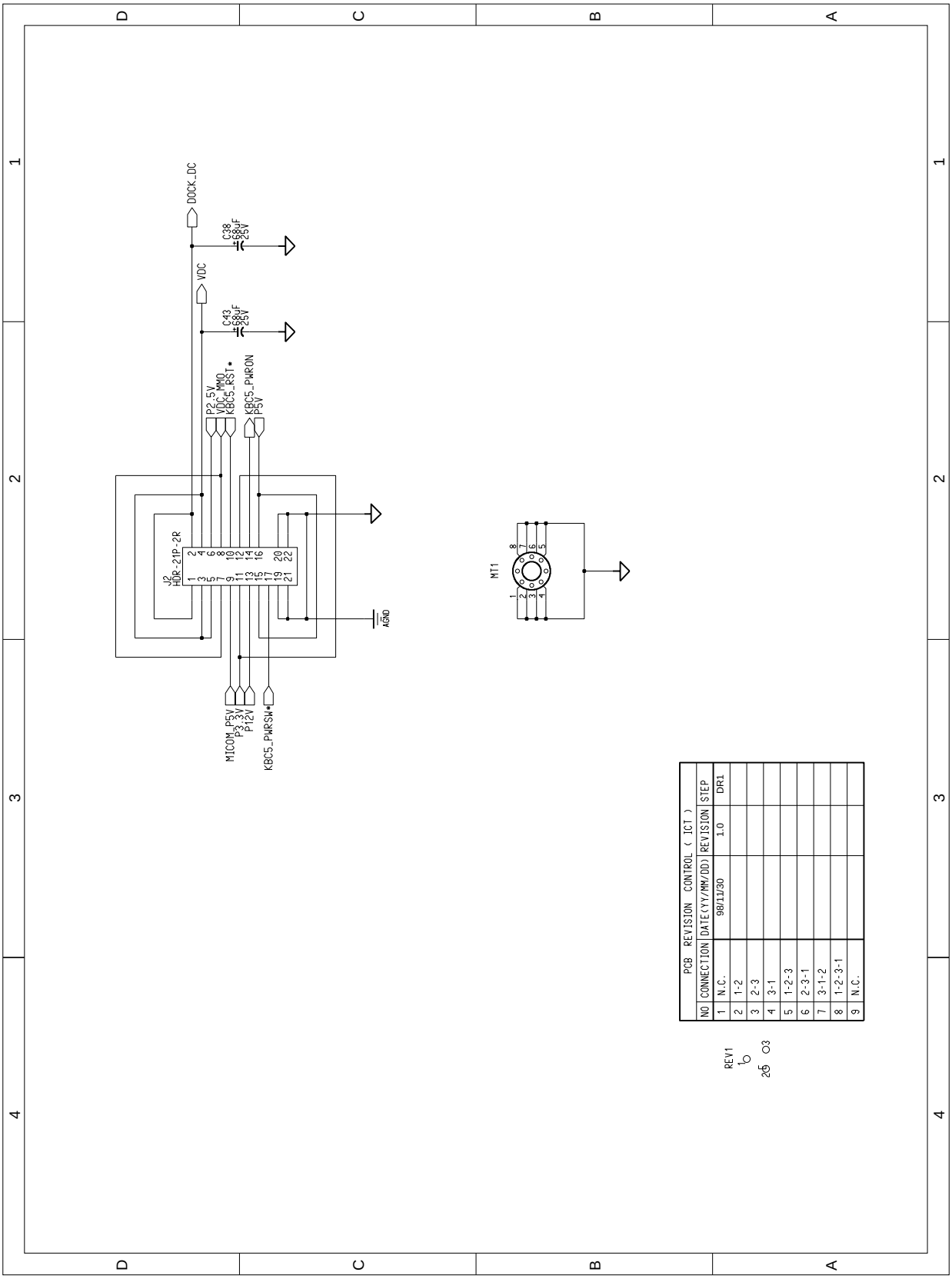
5-3-1(d) Modem Board Schematic Sheet 5 of 5(USB JACK & FIR)



5-4 DC/DC Board

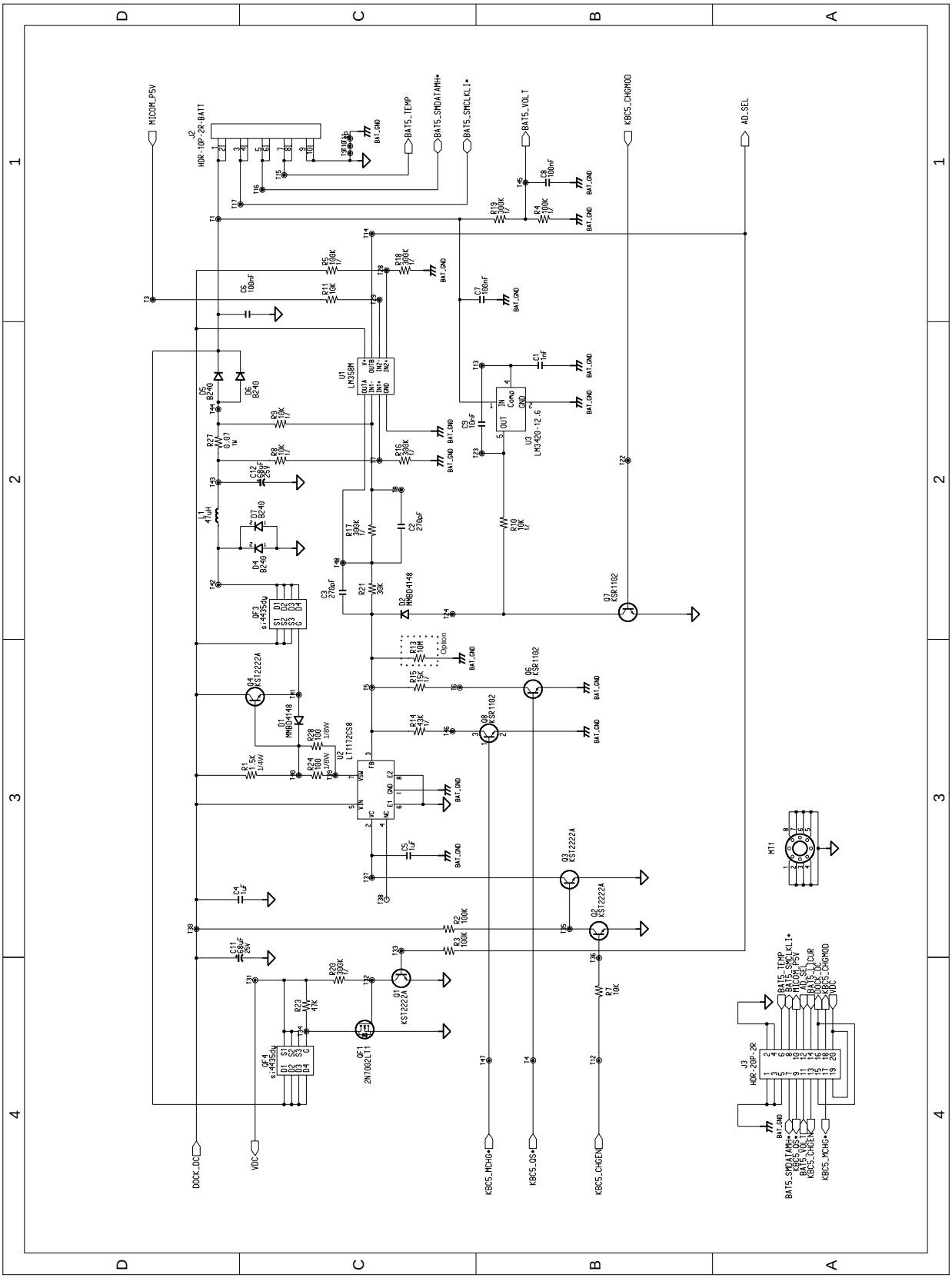
5-4-1 Schematic Diagrams




DOCK_DC
VDC
C38
680uF
25V
C43
680uF
25V
P2.5V
VDC_MMD
KBC5_RST*
KBC5_PWRON
P5V
J2
HDR-21P-2R
AGND
MICOM_P5V
P3.3V
P12V
KBC5_PWRSW*
MT1
PCB REVISION CONTROL (ICT)
NO CONNECTION DATE(YY/MM/DD) REVISION STEP
1 N.C. 98/11/30 1.0 DR1
2 1-2
3 2-3
4 3-1
5 1-2-3
6 2-3-1
7 3-1-2
8 1-2-3-1
9 N.C.
REV1
D3
C
B
A
1
2
3
4

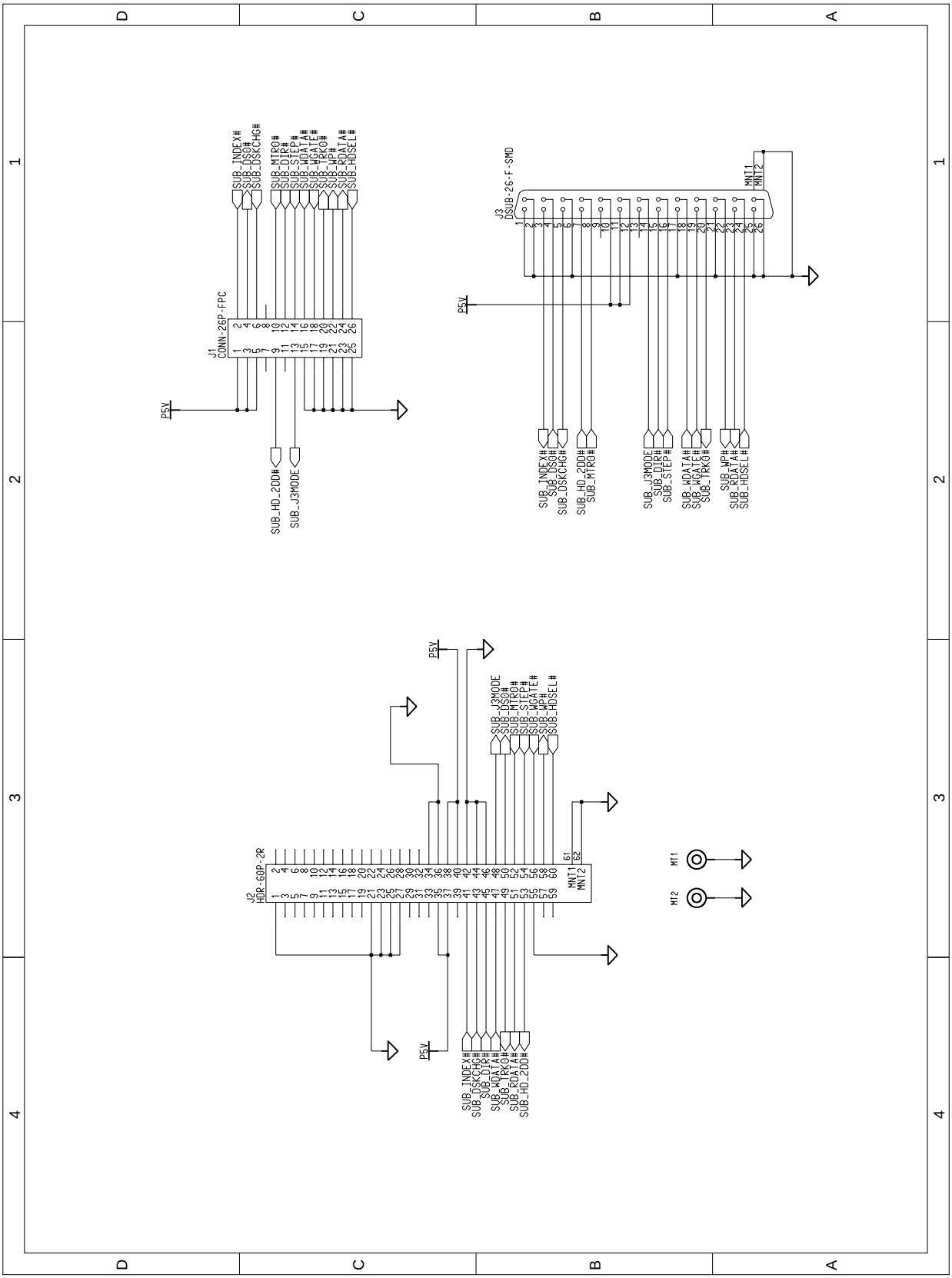
5-5 Charger Board

5-5-1 Schematic Diagrams and PCB



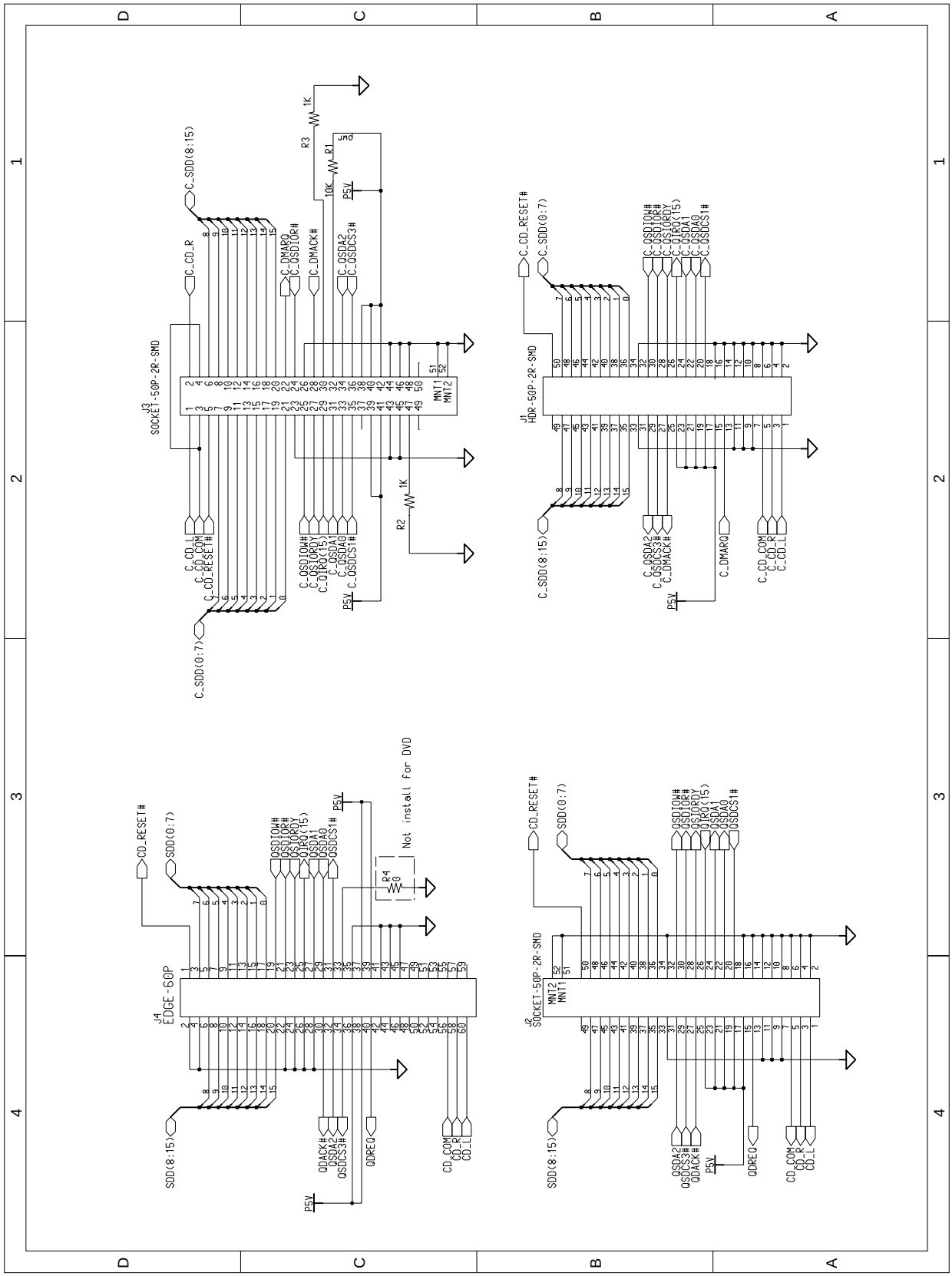
5-6 FDD Interface Board

5-6-1 Schematic Diagrams and PCB



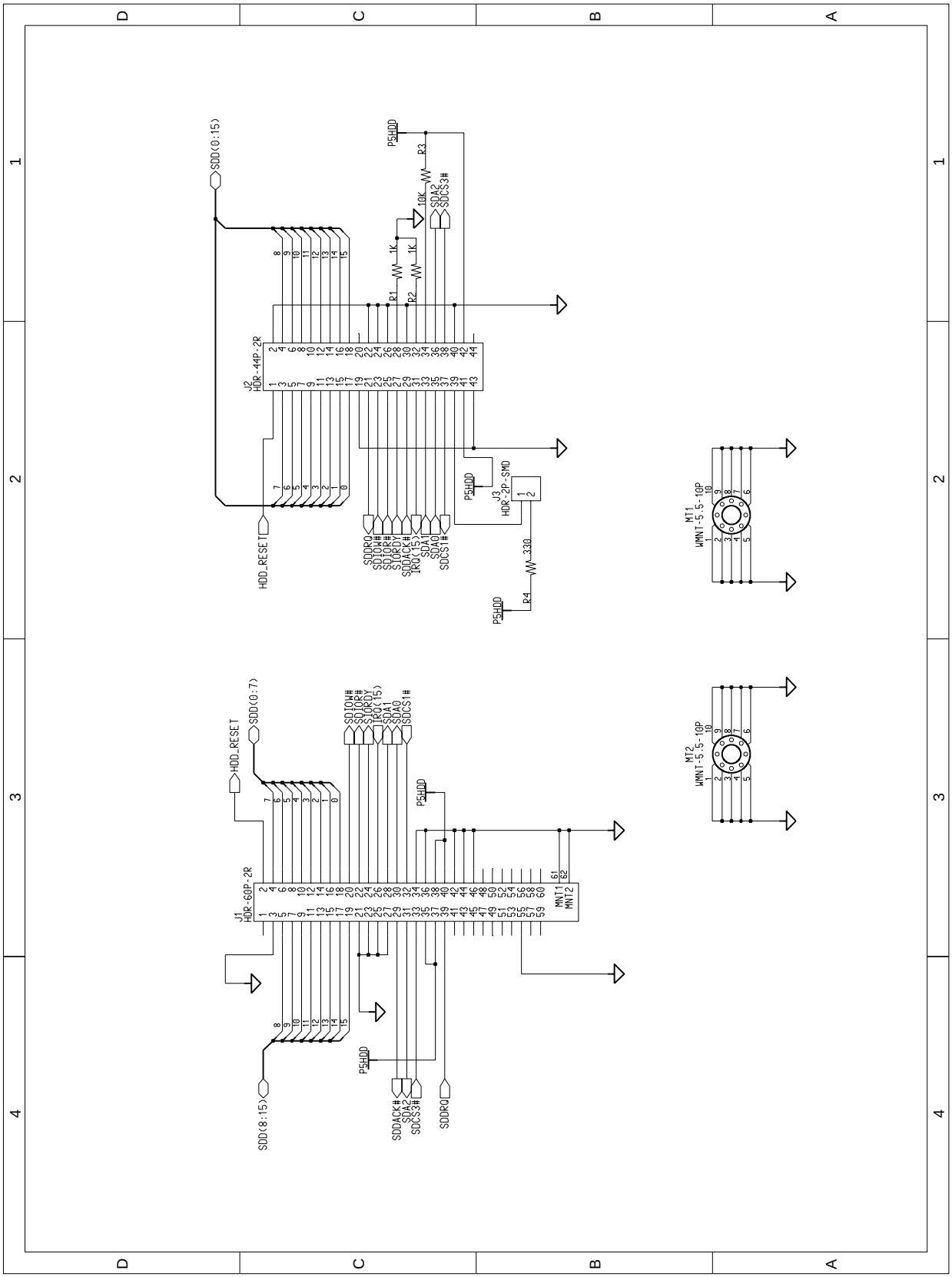
5-7 CD-ROM & DVD Interface Board

5-7-1 Schematic Diagrams and PCB



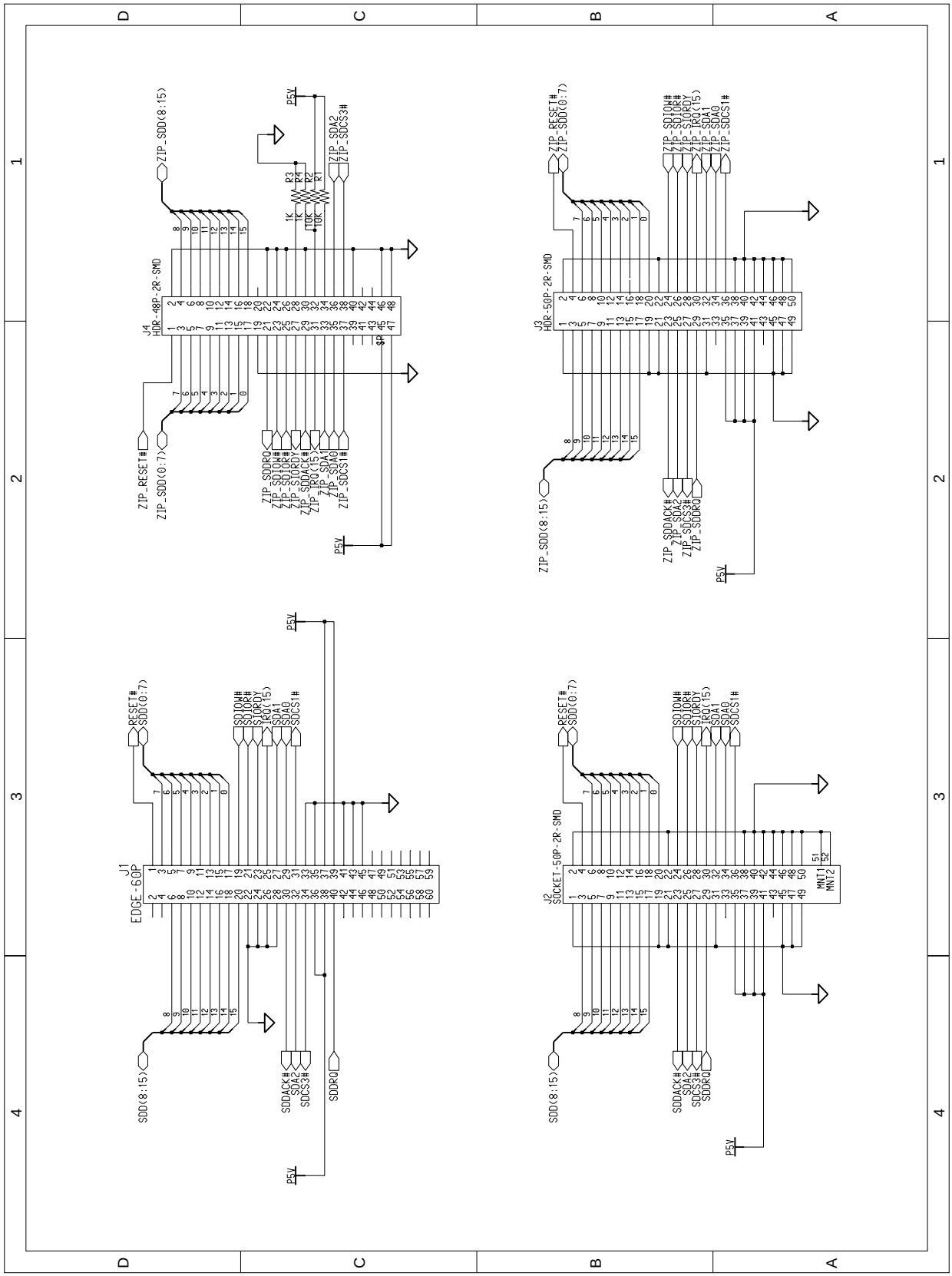
5-8 2’nd HDD Interface Board

5-8-1 Schematic Diagrams and PCB



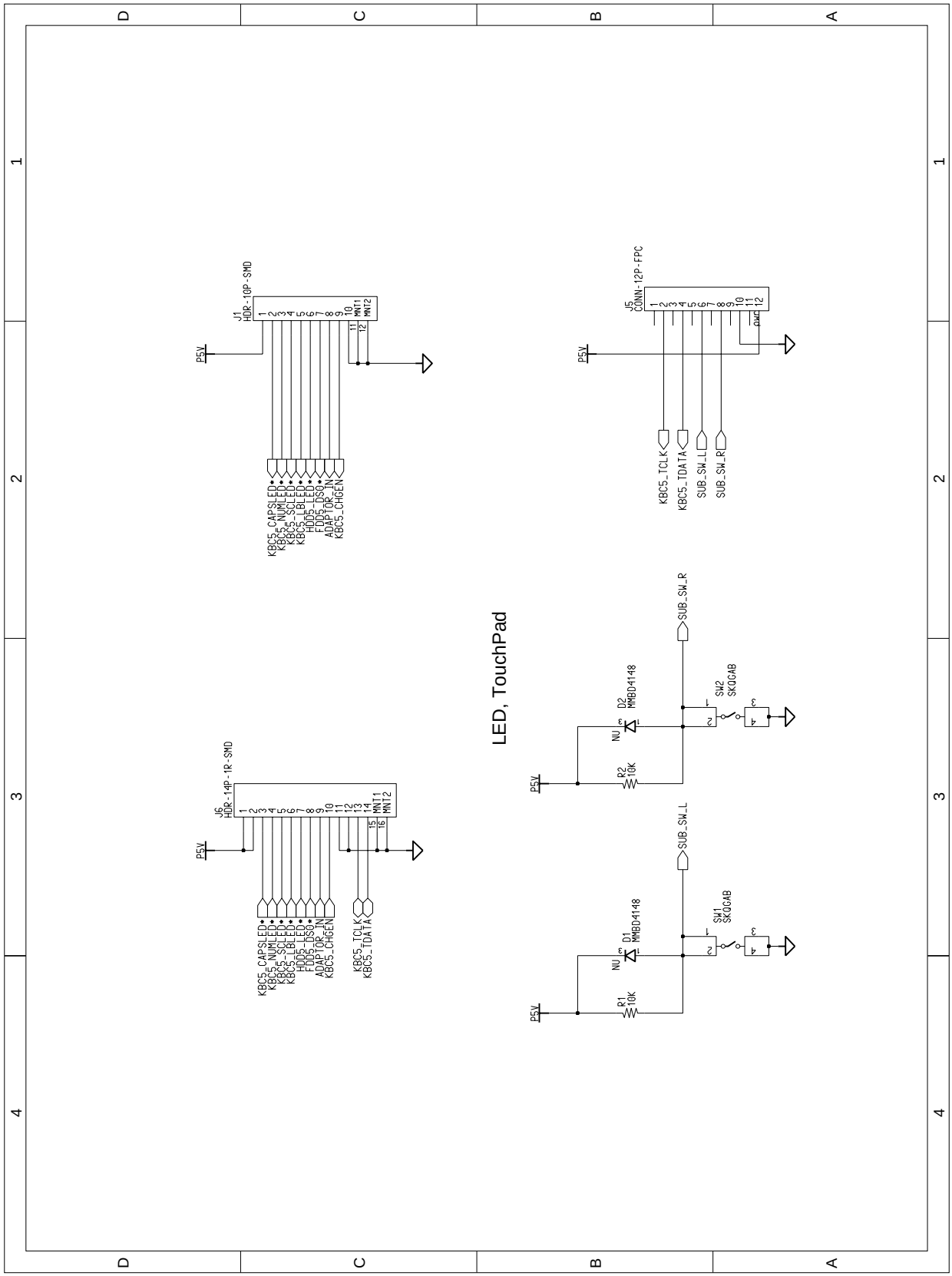
5-9 ZIP Drive Interface Board

5-9-1 Schematic Diagrams and PCB



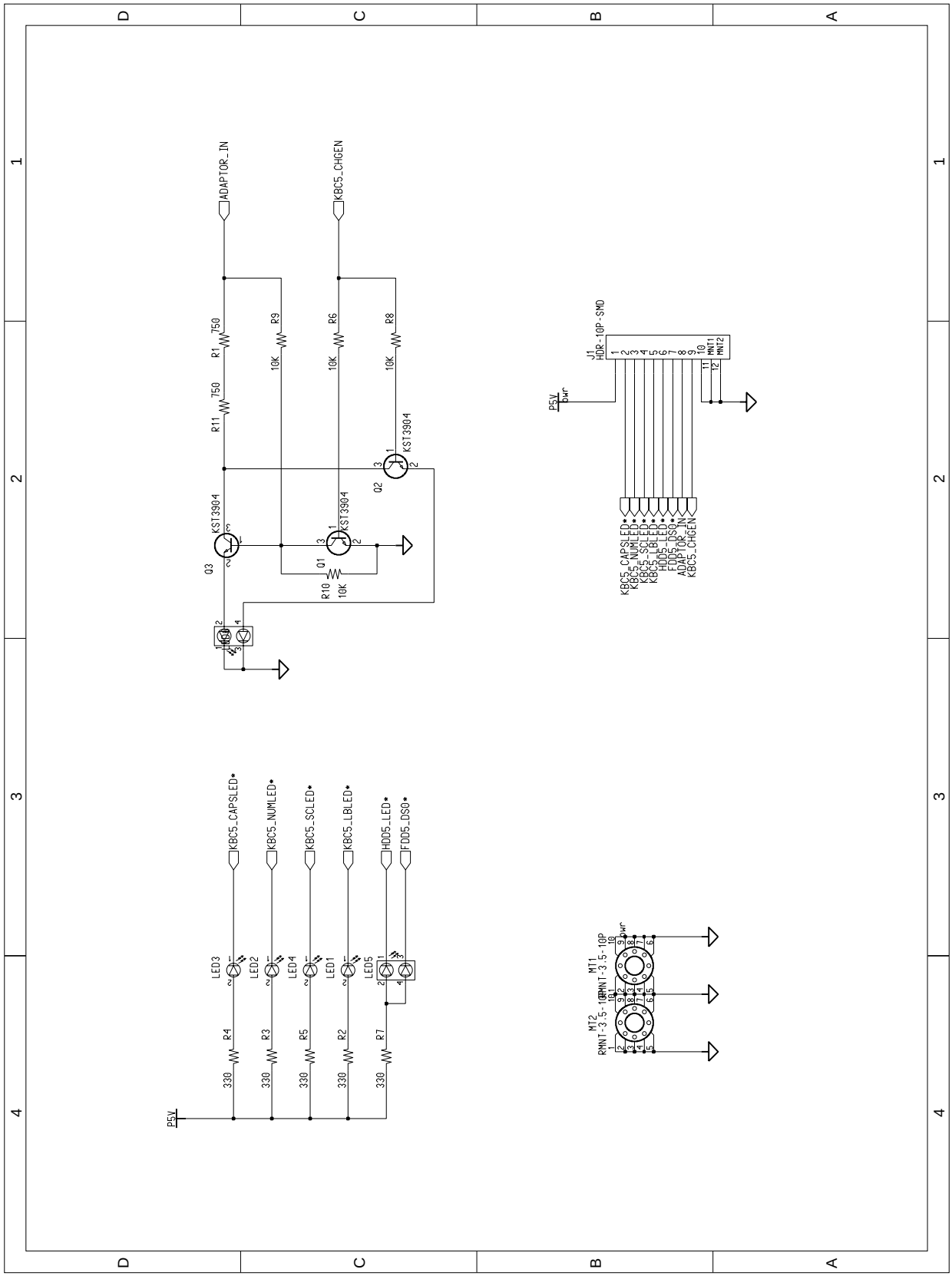
5-10 Touch pad Inteface Board

5-10-1 Schematic Diagrams and PCB



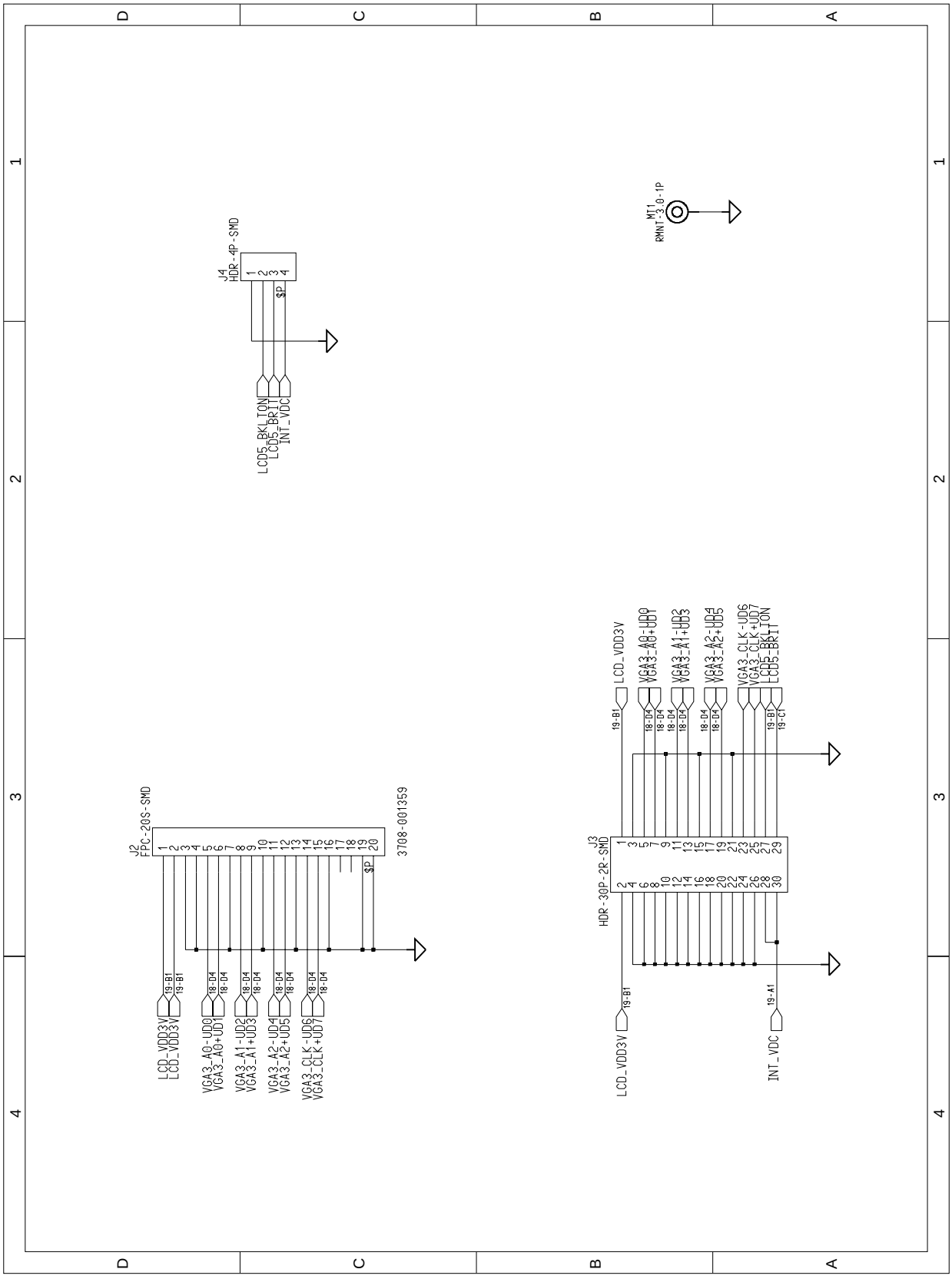
5-11 LED Interface Board

5-11-1 Schematic Diagrams and PCB



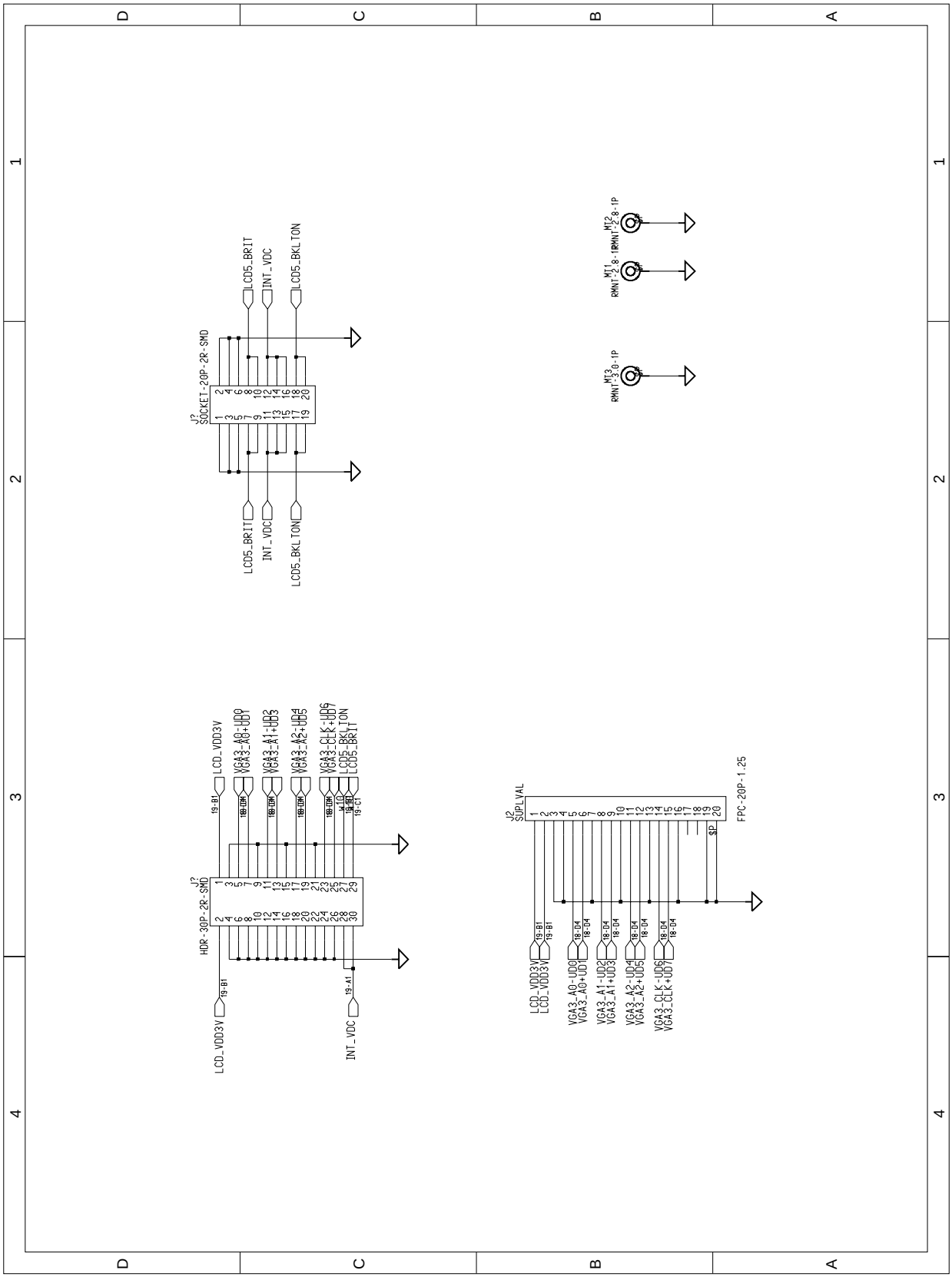
5-12 12.1” LCD FPC Board

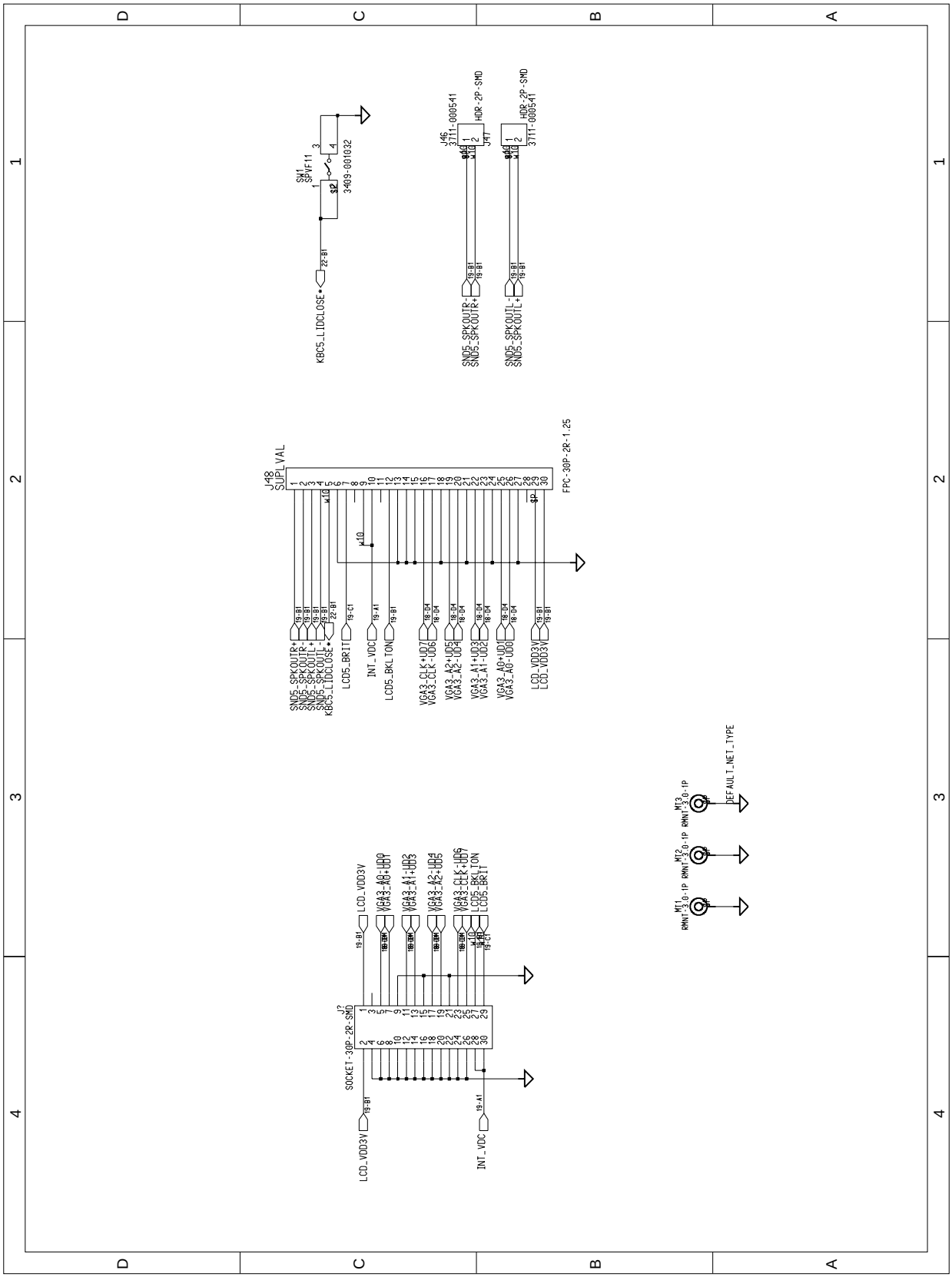
5-12-1 Schematic Diagrams



5-13 13.3” LCD FPC Board

5-13-1 Schematic Diagrams



5-14 Ontop FPC Board

5-14-1 Schematic Diagrams